2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District

Ash Slough Drop Structure No. 1 Overall Unit Rating

М

ng l	Rated Item	Item Rating
	Photo Documentation	N
,	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	М
	Revetments	U
	Encroachments	А
	Culverts: Inlets / Outlets	N
Culvert	s: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
Co	ncrete Tilting / Settlement	Α
	Concrete Foundations	М
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Ash Slough Drop Structure No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	М
	Revetments	Α
	Encroachments	А
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	М
	Safety	А
	Operation & Maintenance Manual	Α

2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Ash Slough Drop Structure No. 3

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	М
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Ash Slough Drop Structure No. 4

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	U
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	Α
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	М
	Safety	Α
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Bear Creek Diversion Structure

Item Rating	Rated Item	Overall Unit Rating
N	Photo Documentation	A
Α	Vegetation & Obstructions	
Α	Shoaling / Sedimentation	
М	Erosion / Bank Caving	
М	Revetments	
Α	Encroachments	
Α	Culverts: Inlets / Outlets	
Α	Culverts: Breaks / Holes / Cracks	
N	Metal Pipes	
N	Trash Racks	
N	Flap Gates	
N	Sluice/Slide Gates	
Α	Electric Gate Operators	
N	Manual Gate Operators	
Α	Concrete Surfaces	
Α	Concrete Tilting / Settlement	
Α	Concrete Foundations	
N	Security Fencing	
N	Closure Structures	
N	Trash Rakes	
N	Other Metallic Items	
Α	Monolith Joints	
Α	Safety	
Α	Operation & Maintenance Manual	

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2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Chowchilla Canal Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	Α
	Manual Gate Operators	N
	Concrete Surfaces	А
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	А
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	А
	Electric Gate Operators	Α
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	А
	Security Fencing	Α
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	А
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Drop Structure No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	М
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	М
	Safety	Α
	Operation & Maintenance Manual	Α

2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Eastside Bypass Drop Structure No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	М
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	М
	Safety	Α
	Operation & Maintenance Manual	А

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2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Fresno River Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	N
	Encroachments	М
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	Α
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	М
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Mariposa Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	Α
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Mariposa Bypass Drop Structure

A Rated Item Item Rating Photo Documentation N Vegetation & Obstructions A Shoaling / Sedimentation A Revetments A Encroachments A Culverts: Inlets / Outlets N Culverts: Breaks / Holes / Cracks N Metal Pipes N Trash Racks Flap Gates N Sluice/Slide Gates N Electric Gate Operators Manual Gate Operators N Concrete Surfaces A Concrete Tilting / Settlement A Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items M Monolith Joints M Safety A Operation & Maintenance Manual A	-		
Vegetation & Obstructions Shoaling / Sedimentation Erosion / Bank Caving Revetments A Encroachments A Culverts: Inlets / Outlets N Culverts: Breaks / Holes / Cracks Metal Pipes N Trash Racks Flap Gates N Sluice/Slide Gates N Electric Gate Operators Manual Gate Operators N Concrete Surfaces Concrete Tilting / Settlement A Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items Monolith Joints M Safety A	Overall Unit Rating	Rated Item	Item Rating
Shoaling / Sedimentation Erosion / Bank Caving Revetments A Encroachments A Culverts: Inlets / Outlets N Culverts: Breaks / Holes / Cracks Metal Pipes N Trash Racks Flap Gates N Sluice/Slide Gates N Electric Gate Operators Manual Gate Operators N Concrete Surfaces Concrete Tilting / Settlement A Concrete Foundations A Security Fencing Closure Structures N Trash Rakes N Other Metallic Items Monolith Joints M Safety A	A	Photo Documentation	N
Erosion / Bank Caving Revetments A Encroachments A Culverts: Inlets / Outlets N Culverts: Breaks / Holes / Cracks N Metal Pipes N Trash Racks N Flap Gates N Sluice/Slide Gates N Electric Gate Operators Manual Gate Operators N Concrete Surfaces A Concrete Tilting / Settlement A Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items M Monolith Joints M Safety A		Vegetation & Obstructions	Α
Revetments A Encroachments A Culverts: Inlets / Outlets N Culverts: Breaks / Holes / Cracks N Metal Pipes N Trash Racks N Flap Gates N Sluice/Slide Gates N Electric Gate Operators N Manual Gate Operators N Concrete Surfaces A Concrete Tilting / Settlement A Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items N Monolith Joints M Safety A		Shoaling / Sedimentation	Α
Encroachments Culverts: Inlets / Outlets N Culverts: Breaks / Holes / Cracks N Metal Pipes N Trash Racks N Flap Gates N Sluice/Slide Gates N Electric Gate Operators N Manual Gate Operators Concrete Surfaces A Concrete Tilting / Settlement A Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items M Monolith Joints M Safety A		Erosion / Bank Caving	Α
Culverts: Inlets / Outlets Culverts: Breaks / Holes / Cracks Metal Pipes N Trash Racks Flap Gates N Sluice/Slide Gates N Electric Gate Operators Manual Gate Operators Concrete Surfaces Concrete Tilting / Settlement Concrete Foundations A Security Fencing Closure Structures N Trash Rakes Other Metallic Items M Monolith Joints M Safety N		Revetments	Α
Culverts: Breaks / Holes / Cracks Metal Pipes N Trash Racks N Flap Gates N Sluice/Slide Gates N Electric Gate Operators N Manual Gate Operators N Concrete Surfaces A Concrete Tilting / Settlement A Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items M Monolith Joints M Safety A		Encroachments	Α
Metal Pipes N Trash Racks N Flap Gates N Sluice/Slide Gates N Electric Gate Operators N Manual Gate Operators N Concrete Surfaces A Concrete Tilting / Settlement A Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items N Monolith Joints M Safety A		Culverts: Inlets / Outlets	N
Trash Racks N Flap Gates N Sluice/Slide Gates N Electric Gate Operators N Manual Gate Operators N Concrete Surfaces A Concrete Tilting / Settlement A Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items N Monolith Joints M Safety A		Culverts: Breaks / Holes / Cracks	N
Flap Gates Sluice/Slide Gates N Electric Gate Operators N Manual Gate Operators N Concrete Surfaces A Concrete Tilting / Settlement A Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items M Monolith Joints M Safety A		Metal Pipes	N
Sluice/Slide Gates Electric Gate Operators Manual Gate Operators N Concrete Surfaces A Concrete Tilting / Settlement A Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items M Monolith Joints M Safety A		Trash Racks	N
Electric Gate Operators Manual Gate Operators Concrete Surfaces Concrete Tilting / Settlement Concrete Foundations A Security Fencing Closure Structures N Trash Rakes Other Metallic Items Monolith Joints M Safety A		Flap Gates	N
Manual Gate Operators Concrete Surfaces A Concrete Tilting / Settlement A Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes Other Metallic Items M Monolith Joints M Safety A		Sluice/Slide Gates	N
Concrete Surfaces A Concrete Tilting / Settlement A Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items N Monolith Joints M Safety A		Electric Gate Operators	N
Concrete Tilting / Settlement Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items Monolith Joints M Safety A		Manual Gate Operators	N
Concrete Foundations A Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items N Monolith Joints M Safety A		Concrete Surfaces	Α
Security Fencing N Closure Structures N Trash Rakes N Other Metallic Items N Monolith Joints M Safety A		Concrete Tilting / Settlement	Α
Closure Structures N Trash Rakes N Other Metallic Items N Monolith Joints M Safety A		-	Α
Trash Rakes N Other Metallic Items N Monolith Joints M Safety A		Security Fencing	N
Other Metallic Items N Monolith Joints M Safety A		<u> </u>	N
Monolith Joints M Safety A		Trash Rakes	N
Safety A		Other Metallic Items	N
Safety A		Monolith Joints	М
		•	

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2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Owens Creek Control Structure

Item Rating	Rated Item	Overall Unit Rating
N	Photo Documentation	M
Α	Vegetation & Obstructions	
Α	Shoaling / Sedimentation	
М	Erosion / Bank Caving	
А	Revetments	
А	Encroachments	
А	Culverts: Inlets / Outlets	
Α	Culverts: Breaks / Holes / Cracks	
N	Metal Pipes	
N	Trash Racks	
N	Flap Gates	
N	Sluice/Slide Gates	
N	Electric Gate Operators	
N	Manual Gate Operators	
М	Concrete Surfaces	
М	Concrete Tilting / Settlement	
Α	Concrete Foundations	
N	Security Fencing	
N	Closure Structures	
N	Trash Rakes	
N	Other Metallic Items	
Α	Monolith Joints	
Α	Safety	
Α	Operation & Maintenance Manual	

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2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Owens Creek Overflow Structure

erall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	А
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

San Joaquin River Bypass Control Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	М
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	Α
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	Α
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

San Joaquin River Structure

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	U
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	Α
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	M
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	А
	Concrete Tilting / Settlement	Α
	Concrete Foundations	А
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	А
	Operation & Maintenance Manual	Α

2019 Structure Summary Report

Overall Unit and Item Ratings

Lower San Joaquin Levee District (cont.)

Sand Slough Structure

Item Rating	Rated Item	verall Unit Rating			
N	Photo Documentation	A			
Α	Vegetation & Obstructions				
Α	Shoaling / Sedimentation				
Α	Erosion / Bank Caving				
Α	Revetments				
А	Encroachments				
N	Culverts: Inlets / Outlets				
N	Culverts: Breaks / Holes / Cracks				
N	Metal Pipes				
N	Trash Racks				
N	Flap Gates				
N	Sluice/Slide Gates				
N	Electric Gate Operators				
N	Manual Gate Operators				
М	Concrete Surfaces				
А	Concrete Tilting / Settlement				
Α	Concrete Foundations				
N	Security Fencing				
N	Closure Structures				
N	Trash Rakes				
N	Other Metallic Items				
N	Monolith Joints				
Α	Safety				
А	Operation & Maintenance Manual				

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Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Ash Slough Drop Structure No. 1	

Structure Rating	M
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	_ined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Photo Do	cumentation		37.0339	52°	37.033952°	
item	-120.441733 ° -120.441733						
DWR ID DWR_NA0010_24_t _ 2012_1							
		Action/	Comme	nts			

Photo 1 of 3: ST_2019_NA0010_24_1_20190807_00011.jpg
A LINE OF THE PARTY OF THE PART
manufacturer of the delication of the second
Service Service

Overview of downstream side of structure from left bank. (2019)

Photo 2 of 3: ST_2019_NA0010_24_1_20190807_00012.jpg

 LM Start
 0.00
 Rating **
 N
 Issue No.
 1 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *



View of right wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	Photo 3 of 3: ST_2019_NA0010_24_1_20190807_00013.jpg
LM End	0.00	Issue Type +	Ma	Location *		



View of left wing wall. (2019)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

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Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Vegetation & Obstructions		37.03395	2°	37.033952°	
item				-120.44173	3°	-120.441733°
DWR ID	DWR_NA0	010_24_t _ 201	2_2			
			_			

Action/Comments

Inspector Comments: No vegetation or obstructions that would impede flow.

No Photos

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Shoaling / Sedimentation 37.033952° 37.033952° Item -120.441733 ° -120.441733 ° DWR NA0010 24 t 2012 3 DWR ID

Action/Comments

Inspector Comments: No sedimentation or shoaling visible.

No Photos

LM Start	0.00	Rating **	М	Issue No.	sue No. 4		
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Category				Start		End	
Item	Erosion /	Bank Caving		37.03395	2 °	37.033952	0
item				-120.44173	3°	-120.441733	0
DWR ID	DWR_NA0	010_24_t _ 201	7_4				

Action/Comments

Inspector Comments: Some minor erosion or animal burrowing was found on the back side of the right wing wall of the structure. Rock along the downstream edge of the structure has been washed away. Photo 1 of 3: ST_2019_NA0010_24_4_20190807_00021.jpg



Erosion at the downstream side of the structure. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00 Rating ** M		Issue No.		4 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			_ined	GPS La	atituc	le/Longitude
Category	Channels			Start		End
Item	Erosion / Bank Caving		37.0339	52°	37.033952°	
item				-120.4417	33 °	-120.441733 °
DWR ID	DWR_NA0010_24_t _ 2017_4				,	
Action/Comments						

Inspector Comments: Some minor erosion or animal burrowing was found on the back side of the right wing wall of the structure. Rock along the downstream edge of the structure has been washed away.

LM Start	0.00	Rating **	М	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



Minor erosion at right wing wall (2018)

Photo 3 of 3: ST_2019_NA0010_24_4_20190613_00007.jpg



Ash Slough #1 minor erosion at right wingwall. (Summer 2017)

LM Start	0.00	Rating **	U	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined		GPS Latitude/Longitude		e/Longitude		
Calegory	Channels			Start		End
Item	Revetments		37.03395	52 °	37.033952°	
item				-120.44173	33 °	-120.441733 °
DWR ID	DWR_NA0	010_24_t _ 201	2_5			

Action/Comments

Inspector Comments: Downstream revetment has been washed away from the structure and should be replaced.



Downstream revetment has been washed away. (2019)

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00 Rating ** U		U	Issue No.		5 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude		e/Longitude	
Calegory	Channels			Start		End
Item	Revetments		37.0339	52°	37.033952°	
пеш				-120.4417	33 °	-120.441733 °
DWR ID	DWR_NA0010_24_t _ 2012_5					
Action/Comments						

Inspector Comments: Downstream revetment has been washed away from the structure and should be replaced.

LM Start	0.00	Rating **	U	Issue No.	5 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



Downstream revetment has been washed away. (2019)

Photo 3 of 3: ST_2019_NA0010_24_5_20190613_00008.jpg



View of downstream revetment that was placed after 2017's inspection (2018)

ltem	LM Start	0.00	Rating **	Α	Issue No.		6	
Category Channels Start End Item 37.033952 ° 37.03395 -120.441733 ° -120.44173 DWR ID DWR_NA0010_24_t _ 2012_6 Action/Comments	LM End	0.00	Issue Type +	Ма	Location *			
Item Encroachments Start End DWR ID DWR_NA0010_24_t _ 2012_6 -120.441733 0 -120.441733 Action/Comments Action/Comments	Category		& Concrete I	_ined	GPS La	atitud	le/Longitude	
tem	Calegory	Channels			Start		End	
-120.441733 0 -120.441733 0 -120.441733 0 0 0 0 0 0 0 0 0	ltom	Encroachments			37.033952°		37.033952	0
Action/Comments	item				-120.4417	33°	-120.441733	0
	DWR ID	DWR_NA0010_24_t _ 2012_6						
Inspector Comments: No visible encroachment.			Action/	Comme	nts			
	Inspector (Comments	: No visible ei	ncroachr	nent.			

No Photos

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Culverts: Inlets / Outlets		37.0339	52°	37.033952	0	
пеш				-120.4417	33 °	-120.441733	0
DWR ID	DWR_NA0	010_24_t _ 201	2_7				
Action/Comments							

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Breaks / Holes / 37.033952° 37.033952° Item Cracks -120.441733° -120.441733 ° DWR_NA0010_24_t _ 2012_8 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Metal Pipes 37.033952° 37.033952° Item -120.441733 ° -120.441733 ° DWR_NA0010_24_t _ 2012_9 DWR ID Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Itom	Trash Rad	cks		37.03395	2°	37.033952 °	
пеш	Item			-120.44173	3°	-120.441733 °	
DWR ID DWR_NA0010_24_t _ 2012_10							
Action/Comments							

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 11 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Flap Gates 37.033952° 37.033952° Item -120.441733 ° -120.441733 ° DWR NA0010 24 t 2012 11 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. Rating ** LM Start 0.00 12 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Sluice/Slide Gates 37.033952° 37.033952° Item -120.441733 ° -120.441733 ° DWR ID DWR_NA0010_24_t _ 2012_12 Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Channels			Start		End		
Item	Electric G	ate Operators	3	37.0339	52 °	37.033952 °	
пеш			-120.4417	33 °	-120.441733 °		
DWR ID	DWR_NA0	010_24_t _ 201	2_13				
Action/Comments							

Inspector Comments: This item does not exist at this structure.

Issue No. LM Start 0.00 Rating ** Ν 14 Issue Type + Location * 0.00 Ma LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Manual Gate Operators 37.033952° 37.033952° Item -120.441733 ° -120.441733 ° DWR NA0010 24 t 2012 14 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

Issue No. Rating ** LM Start 0.00 15 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Surfaces 37.033952° 37.033952° Item -120.441733 ° -120.441733 ° DWR ID DWR_NA0010_24_t _ 2012_15

Action/Comments

Inspector Comments: No visible damage to concrete surfaces.

No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Channels			Start		End		
Item	Concrete	Concrete Tilting / Settlement			52 °	37.033952°	
пеш				-120.44173	33 °	-120.441733 °	
DWR ID DWR_NA0010_24_t _ 2012_16							
Action/Comments							

Inspector Comments: No visible movement or settlement present.

No Photos

Issue No. LM Start 0.00 Rating ** Μ 17 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Foundations 37.033952° 37.033952° Item -120.441733 ° -120.441733 ° DWR ID DWR_NA0010_24_t _ 2012_17

Action/Comments

Inspector Comments: Erosion and revetment displacement at base of downstream side of structure.

Photo 1 of 1: ST_2019_NA0010_24_17_20190807_00022.jpg



Erosion and revetment displacement at the base on the downstream side of structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	18	
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Lat	tud	e/Longitude	
Category Channels		Start		End		
Item	Security F	encing		37.03395	2°	37.033952°
пеш				-120.44173	3°	-120.441733°
DWR ID DWR_NA0010_24_t _ 2012_18						
Action/Comments						

Inspector Comments: This item does not exist at this structure.

No Photos

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Closure S	tructures		37.03395	2 °	37.033952 °	
пеш				-120.44173	3°	-120.441733 °	
DWR ID	DWR_NA0010_24_t _ 2012_19						
Action/Comments							

Inspector Comments: This item does not exist at this structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels	Start		End			
Item	Trash Rakes		37.03395	2°	37.033952	0	
item				-120.44173	3°	-120.441733	0
DWR ID	DWR_NA0	010_24_t _ 201	2_20				

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.	21		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Other Met	allic Items		37.0339	52 °	37.033952	0
пеш				-120.44173	33 °	-120.441733	0
DWR ID	DWR_NA0	010_24_t _ 201	2_21				
Action/Comments							

Inspector Comments: This item does not exist at this structure.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	22				
LM End	0.00	Issue Type +	Ma	Location *					
Category	Structures & Concrete Lined				GPS Latitude/Longitude				
Channels				Start		End			
Item	Monolith .	37.0339	52°	37.033952°					
пеш			-120.4417	33 °	-120.441733 °				
DWR ID	WR ID DWR_NA0010_24_t _ 2012_22								
Action/Comments									

Inspector Comments: Joint gaskets on the left bank appear to be deteriorating. Monitor for potential repairs.



Left bank joint deteriorating. (2018)

LM Start	0.00	Rating **	Α	Issue No.	23		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Safety			37.0339	52°	37.033952°	
item			-120.4417	33 °	-120.441733 °		
DWR ID DWR_NA0010_24_t _ 2012_23							
		A otion/	Commo	nto.			

Action/Comments Inspector Comments: No visible safety hazards. No Photos

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures	GPS Latitude/Longitude					
Calegory	Channels		Start		End		
Item	Operation & Maintenance			37.0339	52 °	37.033952 °	
пеш	Manual		-120.4417	33 °	-120.441733 °		
DWR ID DWR_NA0010_24_t _ 2013_24							
Action/Comments							

Inspector Comments: The manual is on file in the office.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Ash Slough Drop Structure No. 2	

Structure Rating	Α
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1			
LM End	0.00	Issue Type +	Ма	Location *					
Category	Category Channels					GPS Latitude/Longitude			
Calegory	Channels		Start		End				
Item	Photo Do		37.0378	53°	37.037853 °				
пеш				-120.4400	67°	-120.440067 °			
DWR ID DWR_NA0010_25_t _ 2012_1									
		Action/	Comme	nts					

	Start		End		4 3 4 6 7 7 5
	37.037853	0	37.037853	0	
	-120.440067	0	-120.440067	0	
12_1					
n/Commei	nts				

View of left wing wall. (2019)

LM Start 0.00 Rating ** Issue No. 1 (cont) Location * LM End 0.00 Issue Type + Ma

Photo 2 of 3: ST_2019_NA0010_25_1_20190807_00017.jpg



View of right wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Overview of structure looking upstream (2018)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Vegetatio	ons	37.0378	53 °	37.037853°		
item			-120.4400	67°	-120.440067 °		
DWR ID DWR_NA0010_25_t _ 2012_2							
Action/Comments							

Inspector Comments: No vegetation or obstructions identified.

No Photos

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Shoaling / Sedimentation 37.037853° 37.037853° Item -120.440067 ° -120.440067 ° DWR ID DWR_NA0010_25_t _ 2012_3

Action/Comments

Inspector Comments: No sedimentation was identified.

No Photos

LM Start	0.00	Rating **	М	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Erosion /	Bank Caving		37.0378	53°	37.037853	0
пеш				-120.4400	67°	-120.440067	0
DWR ID	DWR_NA0010_25_t _ 2012_4						
Action/Comments							

Inspector Comments: Large hole on the exterior of the right side wall 2-3 feet wide and 4-5 feet deep and 6-8 feet long. This erosion extends back to the headwall which is visible.

Photo 1 of 3: ST_2019_NA0010_25_4_20190807_00018.jpg



Erosion at right sidewall (2019)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No. 4 (cont)			
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
				Start		End	
Item	Erosion /	Bank Caving		37.0378	53 °	37.037853°	
пеш				-120.4400	67°	-120.440067 °	
DWR ID	DWR_NA0010_25_t _ 2012_4						
	Action/Comments						

Inspector Comments: Large hole on the exterior of the right side wall 2-3 feet wide and 4-5 feet deep and 6-8 feet long. This erosion extends back to the headwall which is visible.

LM Start	0.00	Rating **	М	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



Erosion at right sidewall (2018)

Photo 3 of 3: ST_2019_NA0010_25_4_20190613_00006.jpg



Erosion on the right sidewall (2017)

Photo 1 of 2: ST_2019_NA0010_25_5_20190807_00019.jpg

LM Start	0.00	Rating **	Α	Issue No. 5		5
LM End	0.00 Issue Type + Ma		Location *			
Category	Structures & Concrete Lined		GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Revetments		37.03785	53°	37.037853 °	
item				-120.44006	67°	-120.440067 °
DWR ID	DWR NA0	010 25 t 201	2 5			

Action/Comments
Inspector Comments: Existing revetment appears to be adequate, but is partially obscured by sand.



View of revetment looking towards right bank. (2019)

* Location
LS: Land Side
WS: Water Side
CR: Crown

* Rating

A : Acceptable M : Minimally Acceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

n En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Revetmer	nts		37.0378	53 °	37.037853°	
пеш				-120.4400	67°	-120.440067 °	
DWR ID	DWR_NA0010_25_t _ 2012_5						
	Action/Comments						

Inspector Comments: Existing revetment appears to be adequate, but is partially obscured by sand.

Photo 2 of 2 : ST_2019_NA0010_25_5_20190613_00008.jpg

Downstream view looking towards right bank (2018)

Rating ** Issue No. LM Start 0.00 6 Issue Type + Location * LM End 0.00 Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Encroachments 37.037853° 37.037853° Item -120.440067° -120.440067 DWR ID DWR_NA0010_25_t _ 2012_6

Action/Comments

Inspector Comments: No visible encroachments.

No Photos

LM Start	0.00 Rating ** N			Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Culverts:	Inlets / Outlets	5	37.0378	53°	37.037853	0
пеш				-120.4400	67 °	-120.440067	0
DWR ID	DWR_NA0010_25_t _ 2012_7						
	Action/Comments						

Inspector Comments: This item does not exist at this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	8		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item		Breaks / Holes	s /	37.03785	3°	37.037853	0
пеш	Cracks	Cracks			7 °	-120.440067	0
DWR ID	DWR_NA0010_25_t _ 2012_8						
		Action/	Commo	oto			

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Metal Pipes 37.037853° 37.037853° Item -120.440067 ° -120.440067 ° DWR NA0010 25 t 2012 9 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. Rating ** LM Start 0.00 10 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Racks 37.037853° 37.037853° Item -120.440067 ° -120.440067 DWR_NA0010_25_t _ 2012_10 DWR ID Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Flap Gate	s		37.0378	53°	37.037853	0
пеш				-120.4400	67°	-120.440067	0
DWR ID	DWR_NA0010_25_t _ 2012_11						
	Action/Comments						

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 12 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Sluice/Slide Gates 37.037853° 37.037853° Item -120.440067 ° -120.440067 ° DWR_NA0010_25_t _ 2012_12 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. Rating ** LM Start 0.00 13 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Electric Gate Operators 37.037853° 37.037853° Item -120.440067 ° -120.440067 DWR ID DWR_NA0010_25_t _ 2012_13 Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Manual Gate Operators		37.03785	3°	37.037853	۰	
			-120.44006	7 °	-120.440067	0	
DWR ID	DWR_NA0						
Action/Comments							

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start		End		
Item Concrete Surface		Surfaces		37.03785	3°	37.037853°		
пеш				-120.44006	67°	-120.440067 °		
DWR ID	DWR_NA0	010_25_t _ 201	2_15					

Action/Comments

Inspector Comments: No issues identified for the structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete Tilting / Settlement			37.0378	53°	37.037853 °	5
пеш				-120.4400	67°	-120.440067 °	5
DWR ID	DWR_NA0010_25_t _ 2012_16						
Action/Comments							

Inspector Comments: No visible movement or settlement.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined GPS Latitude/Longitude				le/Longitude		
Calegory	Channels	Channels				End	
Item	Concrete	Concrete Foundations		37.03785	3°	37.037853 °	
пеш					7°	-120.440067 °	
DWR ID	DWR ID DWR_NA0010_25_t _ 2012_17						
Action/Comments							

Inspector Comments: No scouring or undermining identified.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 18 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Security Fencing 37.037853° 37.037853° Item -120.440067 ° -120.440067 ° DWR_NA0010_25_t _ 2012_18 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. Rating ** LM Start 0.00 19 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Closure Structures 37.037853° 37.037853° Item -120.440067 ° -120.440067 DWR ID DWR_NA0010_25_t _ 2012_19 Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined GPS Latitude/Longitud					le/Longitude	
Calegory	Channels	Channels				End	
Item	Trash Ral	Frash Rakes		37.0378	53 °	37.037853 °	
пеш				-120.44006	67°	-120.440067 °	
DWR ID	DWR ID DWR_NA0010_25_t _ 2012_20						
Action/Comments							

Inspector Comments: This item does not exist at this structure.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 21 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Other Metallic Items 37.037853° 37.037853° Item -120.440067 ° -120.440067 ° DWR_NA0010_25_t _ 2012_21 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

LM Start	0.00	Rating **	М	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Monolith .	Monolith Joints		37.0378	53°	37.037853	0
пеш				-120.4400	67°	-120.440067	0
DWR ID	DWR_NA0	010_25_t _ 201	2_22				
Action/Comments							

Inspector Comments: Joint gaskets on both wingwalls are deteriorating and need to be repaired.

Photo 1 of 4 : ST_2019_NA0010_25_22_20190613_00011.jpg



View of monolith joint at right wing wall (2018)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Mainte

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.	22 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined GPS Latitude/Longitude			le/Longitude		
Calegory	Channels			Start		End
Item	Monolith .	Monolith Joints		37.0378	53°	37.037853°
пеш					67 °	-120.440067 °
DWR ID DWR_NA0010_25_t _ 2012_22						
Action/Commants						

Inspector Comments: Joint gaskets on both wingwalls are deteriorating and need to be repaired.

LM S	tart	0.00	Rating **	М	Issue No.	22 (cont)
IME	nd	0.00	Issue Type +	Ma	Location *	



Upclose view of monolith joint at right wing wall (2018)

Photo 3 of 4: ST_2019_NA0010_25_22_20190613_00013.jpg



Left bank gasket is deteriorated at headwall. (2017)

LM Start	0.00	Rating **	M	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Gasket is deteriorated on the wingwall left bank. (2017)

* Location LS : Land Side WS : Water Side CR : Crown

Monday, August 26, 2019 14:29

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Category		Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End		
Item	Safety	fety		37.03785	3°	37.037853°	
пеш						-120.440067 °	
DWR ID	DWR_NA0	010_25_t _ 201	2_23				
Action/Comments							

Inspector Comments: No visible safety hazards at this structure.

No Photos

Rating ** Issue No. LM Start 0.00 Α 24 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Operation & Maintenance 37.037853° 37.037853° Item Manual -120.440067 ° -120.440067 ° DWR ID DWR_NA0010_25_t _ 2013_24 Action/Comments

Inspector Comments: The manual is on file in the office.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Ash Slough Drop Structure No. 3

Structure Rating	Α
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	_ined	GPS La	atitud	le/Longitude	
Channels				Start		End	
Item	Photo Documentation			37.0427	67°	37.042767°	
Rem				-120.436323 °		° -120.436323	
DWR ID DWR_NA0010_26_t _ 2017_1							
		Action/	Comme	nts			

			•				ΙΟι
_;	atit	ud	le/Longitude				400
			End				神
7	67	0	37.042767	0			100
3	23	0	-120.436323	0			
							*
							を記して
							1
							1

Photo 1 of 3: ST_2019_NA0010_26_1_20190807_00014.jpg
Photo 1 of 3 : \$1_2019_NA0010_26_1_20190807_00014.jpg
07, 31 sorts

View of left wing wall. (2019)

LM Start 0.00 Rating ** Issue No. 1 (cont) Location * LM End 0.00 Issue Type + Ma

Photo 2 of 3: ST_2019_NA0010_26_1_20190807_00015.jpg



View of right wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Overview of structure looking upstream (2018)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	2				
LM End	0.00	Issue Type +	Ma	Location *					
Catagony	Structures & Concrete Lined Channels			Catagony			GPS La	titud	le/Longitude
Category				Start		End			
ltom	Item Vegetation & Obstructions		37.0427	67°	37.042767°				
пеш				-120.43632	23 °	-120.436323 °			
DWR ID	DWR_NA0010_26_t _ 2012_2								
	Action/Comments								

Action/Comments

Inspector Comments: Tree branch caught along right wing wall of structure.

Photo 1 of 1 : ST_2019_NA0010_26_2_2019080	7_00016.jpg
Maille iku	



Tree branches caught along right wing wall. (2019)

Photo 1 of 2: ST_2019_NA0010_26_3_20190807_00017.jpg

LM Start	0.00	Rating **	М	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined		GPS Latitude/Longitu				
Calegory	Channels			Start		End	
Item	Shoaling /	hoaling / Sedimentation		37.0427	67°	37.042767°	
item		-120.43632	23 °	-120.436323 °			
DWR ID	DWR_NA0	010_26_t _ 201	2_3				

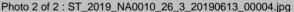
Action/Comments

Inspector Comments: Sedimentation on the upstream side of structure and also on the downstream side of the left wingwall area.

			A CONTRACTOR
MANAGER		Artes	AND THE RESERVE
THE THE	11 11 11		

Sedimentation near left wing wall. (2019)







Sedimentation near left wing wall (2018)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Erosion /	Bank Caving		37.04276	7°	37.042767 °
пеш				-120.436323		-120.436323 °
DWR ID	DWR_NA0	.0010_26_t _ 2012_4				
Action/Comments						

Inspector Comments: No visible erosion or caving near the structure was identified.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	_
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	nnels		Start		End	
Item	Revetmer	Revetments			67°	37.042767	0
nem		-120.4363	23 °	-120.436323	0		
DWR ID	DWR_NA0	010_26_t _ 201	2_5				

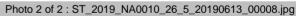
Action/Comments

Inspector Comments: Existing revetment is covered by the sand. Recommend maintenance to ensure revetment is adequate.



Downstream view of revetment, mostly obscured by sedimentation (2018)

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





Looking towards the right bank, the riprap is obscured by sedimentation and vegetation growth. (2017)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Itom	Encroach	ments		37.04276	7°	37.042767°	
пеш	Item			-120.43632	3°	-120.436323 °	
DWR ID	DWR_NA0	010_26_t _ 201	2_6				
Action/Comments							

Action/Comments

Inspector Comments: No visible encroachments near the structure.

Issue No. LM Start 0.00 Rating ** Ν Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Inlets / Outlets 37.042767° 37.042767° Item -120.436323 ° -120.436323 °

DWR_NA0010_26_t _ 2012_7 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 37.042767° 37.042767 Item Cracks -120.436323 ° -120.436323 ° DWR_NA0010_26_t _ 2012_8 DWR ID Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		9
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Structures	GPS Latitude/Longitude				
Calegory	Channels			Start		End
Item	Metal Pipe	es		37.04276	7°	37.042767°
item			-120.43632	3°	-120.436323 °	
DWR ID	DWR_NA0	010_26_t _ 201	2_9			
			_			

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 10 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 37.042767° 37.042767° Item -120.436323 ° -120.436323 ° DWR_NA0010_26_t _ 2012_10 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. Rating ** LM Start 0.00 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Flap Gates 37.042767° 37.042767 ° Item -120.436323 ° -120.436323 ° DWR_NA0010_26_t _ 2012_11 DWR ID Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Sluice/Sli	de Gates		37.04276	7°	37.042767 °
Item				-120.436323		-120.436323 °
DWR ID	DWR_NA0010_26_t _ 2012_12					
Action/Comments						

Inspector Comments: This items does not exist at this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 13 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 37.042767° 37.042767° Item -120.436323 ° -120.436323 ° DWR_NA0010_26_t _ 2012_13 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. Rating ** LM Start 0.00 14 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 37.042767° 37.042767 Item -120.436323 ° -120.436323 ° DWR ID DWR_NA0010_26_t _ 2012_14 Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Concrete	Surfaces		37.0427	67°	37.042767 °
пеш				-120.436323 °		-120.436323 °
DWR ID	R ID DWR_NA0010_26_t _ 2012_15					
Action/Comments						

Inspector Comments: No visible damage.

No Photos

No Photos

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Concrete	ment	37.0427	67°	37.042767 °		
пеш	item		-120.4363	23 °	-120.436323 °		
DWR ID DWR_NA0010_26_t _ 2012_16							
A :1 (0							

Action/Comments

Inspector Comments: No visible movement or settlement.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels	Channels				End
Item	Concrete	Foundations		37.0427	67°	37.042767°
пеш				-120.4363	23 °	-120.436323°
DWR ID DWR_NA0010_26_t _ 2012_17					·	
		A ation/	Camma	n+0		

Action/Comments Inspector Comments: No visible undermining or erosion.

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		18
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Security F	encing		37.04276	7°	37.042767°
пеш				-120.43632	:3 °	-120.436323 °
DWR ID	DWR_NA0	010_26_t _ 201	2_18			
		A ation/	Camma	n+n		

Action/Comments

Inspector Comments: This item does not exist at this structure.

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Closure S	tructures		37.0427	67°	37.042767	0
пеш				-120.4363	23 °	-120.436323	0
DWR ID	DWR_NA0	010_26_t _ 201	2_19				
		A ation/	Commo	nto.			

Action/Comments

Inspector Comments: This item does not exist at this structure.

LM Start	0.00	Rating **	N	Issue No.		20		
LM End	0.00	Issue Type +	Ма	Location *				
Category	Structures	_ined	GPS Latitude/Longitude					
Calegory	Channels		Start		End			
ltom	Trash Rakes			37.0427	67°	37.042767°		
пеш				-120.4363	23 °	-120.436323 °		
DWR ID	DWR_NA0010_26_t _ 2012_20							
Action/Comments								

Inspector Comments: This item does not exist at this structure.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

FINAL DATA

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Page 8 of 10

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		21		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Channels				Start		End		
Item	Other Metallic Items			37.04276	67°	37.042767 °		
пеш				-120.43632	23°	-120.436323 °		
DWR ID	DWR_NA0010_26_t _ 2012_21							
Action/Comments								

Inspector Comments: This item does not exist at this structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Lat	itud	e/Longitude		
Calegory	Channels	Issue Type + Ma res & Concrete Lined		Start		End	
Item	Monolith .	loints		37.04276	7°	37.042767	0
item				-120.43632	3°	-120.436323	0
DWR ID	DWR_NA0	010_26_t _ 201	2_22				

Action/Comments

Inspector Comments: All joints appears to be in good condition. Some minor degradation of the joint material on the right wingwall but does not appear it would currently impact structure.

LM Start	0.00	Rating **	Α	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 2: ST_2019_NA0010_26_22_20190807_00018.jpg



Deterioration of right wing wall gasket. (2019)

Photo 2 of 2: ST_2019_NA0010_26_22_20190613_00009.jpg



View of the right wingwall joint. The gasket has deteriorated midway down the joint. (2017)

* Location

LS: Land Side

WS: Water Side

CR: Crown

A : Acceptable
M : Minimally Acceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

& Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 3		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	23				
LM End	0.00	Issue Type +	Ma	Location *					
Category Channels				GPS Latitude/Longitude					
Calegory	Channels		Start		End				
Item	Safety			37.04276	7°	37.042767 °			
Item				-120.43632	3°	-120.436323 °			
DWR ID	DWR_NA0	WR_NA0010_26_t _ 2012_23							
	Action/Comments								

Inspector Comments: No visible safety hazards at the structure.

No Photos

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Operation & Maintenance 37.042767° 37.042767° Item Manual -120.436323 ° -120.436323° DWR ID DWR_NA0010_26_t _ 2013_24

Action/Comments

Inspector Comments: The O&M manual is on file in the office.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Ash Slough Drop Structure No. 4	

Structure Rating	Α
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude	
Calegory	Channels			Start		End	
Item	Photo Do	cumentation		37.0450)45°	37.045045°	
item				-120.4298	855 °	-120.429855 °	
DWR ID DWR_NA0010_27_t _ 2012_1							
Action/Comments							

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



view of right wing wall. (2010)

Photo 2 of 3: ST_2019_NA0010_27_1_20190807_00023.jpg



View of left wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Overview of structure looking upstream (2018)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

ntain En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Category Channels			Start		End	
Item	Vegetatio	Vegetation & Obstructions			45°	37.045045°
item			-120.4298	55 °	-120.429855 °	
DWR ID	D DWR_NA0010_27_t _ 2012_2					
Action/Comments						

Inspector Comments: Trees should be removed from around structure.

LM Start	0.00	Rating **	М	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of tree growing at the left head wall. (2019)

Photo 2 of 2: ST_2019_NA0010_27_2_20190808_00029.jpg



Branches and debris piling up along left headwall. (2019)

LM Start	0.00	Rating **	Α	Issue No.		3
LM End	0.00	Issue Type +	Ma	Location *		
Cotogony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category Channels		Start		End	
Item	Shoaling / Sedimentation			37.04504	5°	37.045045 °
item			-120.42985	5°	-120.429855 °	
DWR ID	DWR NA0	010 27 t 201	2 3			

Action/Comments

Inspector Comments: Minor sedimentation on the downstream left bank side of the structure and also the right bank side at the metal culvert outlet.



Sedimentation downstream along left wing wall. (2018)

* Location
LS: Land Side
WS: Water Side
CR: Crown

* Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected

C : Corrected
W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		3 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Cotogony	Structures & Concrete Lined			GPS Latitude/Longitude		
Category Channels			Start		End	
Item	Shoaling / Sedimentation			37.0450	45°	37.045045 °
item				-120.429855 °		-120.429855 °
DWR ID	DWR ID DWR_NA0010_27_t _ 2012_3					
Action/Comments						

Inspector Comments: Minor sedimentation on the downstream left bank side of the structure and also the right bank side at the metal culvert outlet.

LM Start	0.00	Rating **	Α	Issue No.	3 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



Sedimentation along right wing wall near pipe outlet. (2018)

Photo 3 of 3: ST_2019_NA0010_27_3_20190613_00009.jpg



View of sedimentation from the left bank looking to the downstream side of the structure. (2017)

LM Start	0.00	Rating **	Α	Issue No.		4		
LM End	0.00	Issue Type +	Ма	Location *				
Category	Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Erosion / Bank Caving			37.045045 °		37.045045 °		
пеш				-120.429855 °		-120.429855 °		
DWR ID	DWR_NA0	010_27_t _ 201	2_4					
	Action/Comments							
Inspector Comments: No visible erosion was found.								

No Photos

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Revetments			37.045045°		37.045045°	
Item				-120.4298	55 °	-120.429855 °
DWR ID	DWR_NA0010_27_t _ 2012_5					·
Action/Comments						

Inspector Comments: No revetment visible on upstream side of structure. Downstream revetment is covered by sand. Recommend maintenance to ensure revetment is adequate.

Photo 1 of 1 : ST_2019_NA0010_27_5_20190613_00010.jpg



View of downstream side of structure looking upstream. (2018)

LM Start	0.00	Rating **	U	Issue No.		Issue No.		6
LM End	0.00	Issue Type +	En	Location *				
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Encroachments			37.0450	45°	37.045045°		
item				-120.429855 °		-120.429855 °		
DWR ID	DWR_NA0	010_27_t _ 201	2_6			·		

Action/Comments

Inspector Comments: Landowner is blocking the structure with a sand dam. Additionally, the landowner installed unauthorized pipes through the unauthorized sand dam.

Photo 1 of 5 : ST_2019_NA0010_27_6_20190808_00026.jpg

View of unauthorized earthern dam and pipe from right bank. (2019)

 LM Start
 0.00
 Rating **
 U
 Issue No.
 6 (cont)

 LM End
 0.00
 Issue Type +
 En
 Location *

Photo 2 of 5: ST 2019 NA0010 27 6 20190808 00027.jpg



Pipes stored on right bank of structure. (2019)

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	U	Issue No.	6 (cont)		
LM End	0.00	Issue Type +	En	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Encroachments			37.0450	45 °	37.045045	٥
пеш				-120.429855 °		-120.429855	٥
DWR ID	DWR_NA0						
Action/Comments							

Inspector Comments: Landowner is blocking the structure with a sand dam. Additionally, the landowner installed unauthorized pipes through the unauthorized sand dam.

LM Start	0.00	Rating **	U	Issue No.	6 (cont)
LM End	0.00	Issue Type +	En	Location *	



Pipes stored on left bank of strucutre. (2019)

Photo 4 of 5: ST_2019_NA0010_27_6_20190613_00013.jpg



View of the other unauthorized pipes through the unauthorized earthen dam. (2018)

LM Start	0.00	Rating **	U	Issue No.	6 (cont)
LM End	0.00	Issue Type +	En	Location *	



Looking towards the left bank, the visible pipe is constructed through the sand dam. (2017)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Culverts: Inlets / Outlets			37.0450	45°	37.045045°	
item				-120.429855 °		-120.429855 °	
DWR ID	DWR_NA0010_27_t _ 2012_7					·	
Action/Comments							

Inspector Comments: The structure has 1 CMP culvert at the base of each wingwall that appear to be in good shape with no visible signs of deterioration.

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of culvert outlet at right wing wall. (2019)

Photo 2 of 2: ST_2019_NA0010_27_7_20190808_00031.jpg



View of culvert outlet at left wing wall. (2019)

0.00	Rating **	Α	Issue No.		8	
0.00	Issue Type +	Ма	Location *			
- 11 - 1 - 1 - 1	& Concrete I	_ined	GPS La	atitud	le/Longitude	
Channels	annels				End	
ltem Culverts: Breaks / Holes / Cracks			37.0450	45°	37.045045	
			-120.4298	55 °	-120.429855	
DWR_NA0	010_27_t _ 201	2_8				
	Action/	Comme	nts			
Inspector Comments: There are no visible signs of breaks in the culverts.						
	0.00 Structures Channels Culverts: Cracks DWR_NA0	0.00 Issue Type + Structures & Concrete I Channels Culverts: Breaks / Hole: Cracks DWR_NA0010_27_t _ 201: Action/	0.00 Issue Type + Ma Structures & Concrete Lined Channels Culverts: Breaks / Holes / Cracks DWR_NA0010_27_t _ 2012_8 Action/Commen	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Lat Start Culverts: Breaks / Holes / Cracks 37.0450 -120.4298 DWR_NA0010_27_t _ 2012_8 Action/Comments	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Latitude Culverts: Breaks / Holes / Cracks 37.045045 ° DWR_NA0010_27_t _ 2012_8 -120.429855 °	

No Photos

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		9
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	atitud	le/Longitude
Category Channels			Start		End	
Item	Metal Pipe	es		37.0450	45°	37.045045°
item				-120.4298	55 °	-120.429855 °
DWR ID DWR_NA0010_27_t _ 2012_9						
Action/Comments						

Inspector Comments: The structure has 1 metal culvert at the base of each wing wall that appear to be in good shape with no visible signs of deterioration.

LM Start	0.00	Rating **	Α	Issue No.	9 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



CMP in left wing wall downstream side. (2018)

Photo 2 of 3: ST_2019_NA0010_27_9_20190613_00018.jpg



Typical riser for CMP in structure. (2018)

LM Start	0.00	Rating **	Α	Issue No.	9 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Upstream, inlet for left wing wall CMP. (2017)

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

ntain En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		10			
LM End	0.00	Issue Type +	Ма	Location *					
Cotogoni	Category Structures & Concrete Lined Channels			Structures & Concrete Lined			GPS La	titud	e/Longitude
Calegory				Start		End			
Item	Trash Rad	cks		37.04504	15 °	37.045045 °			
пеш				-120.4298	55 °	-120.429855 °			
DWR ID	DWR ID DWR_NA0010_27_t _ 2012_10								

Action/Comments

Inspector Comments: This item does not exist on this structure.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Flap Gates 37.045045° 37.045045° Item -120.429855 ° -120.429855 ° DWR NA0010 27 t 2012 11 DWR ID

Action/Comments

Inspector Comments: This item does not exist on this structure.

No Photos

LM Start	0.00 Rating ** A		Issue No.		12	
LM End	0.00	0.00 Issue Type + Ma		Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS La	tituc	le/Longitude
Calegory				Start		End
Item	Sluice/Sli	de Gates		37.04504	۱5°	37.045045 °
пеш				-120.42985	55 °	-120.429855 °
DWR ID	DWR_NA0010_27_t _ 2012_12					

Action/Comments

Inspector Comments: The structure includes 1 slide gate on each bank. Both are operational.

Photo 1 of 2: ST_2019_NA0010_27_12_20190808_00032.jpg



Slide gate on the right bank. (2019)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated

C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00 Rating ** A		Issue No.		12 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Cotogony	& Concrete I	GPS La	atitud	le/Longitude			
Category Channels			Start		End		
Item	Sluice/Slic	de Gates		37.0450	45°	37.045045°	
пеш			-120.4298	55 °	-120.429855 °		
DWR ID DWR_NA0010_27_t _ 2012_12							
Action/Comments							

Inspector Comments: The structure includes 1 slide gate on each bank. Both are operational.



Slide gate on the left bank. (2019)

LM Start	0.00	Rating **	N	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures	_ined	GPS La	atituc	le/Longitude		
Calegory	Channels			Start		End	
Item	Electric Gate Operators			37.0450	45 °	37.045045°	
item				-120.4298	55 °	-120.429855 °	
DWR ID	WR ID DWR_NA0010_27_t _ 2012_13						
Action/Comments							

Inspector Comments: This item does not exist on this structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Manual Gate Operators			37.0450	45 °	37.045045 °	
пеш				-120.4298	55 °	-120.429855 °	
DWR ID DWR_NA0010_27_t _ 2012_14							
Action/Comments							

Inspector Comments: Manual gate operators perform as intended and appear to be adequately maintained.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Category					End	
Item	Concrete Surfaces				45°	37.045045	0
пеш			-120.4298	55 °	-120.429855	0	
DWR ID DWR_NA0010_27_t _ 2012_15							
Action/Comments							

Inspector Comments: No visible damage.

No Photos

Issue No. LM Start 0.00 Rating ** Α 16 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Tilting / Settlement 37.045045° 37.045045° Item -120.429855 ° -120.429855 ° DWR_NA0010_27_t _ 2012_16 DWR ID

Action/Comments

Inspector Comments: No visible movement or settlement.

No Photos

Issue No. Rating ** LM Start 0.00 17 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 37.045045° 37.045045 ° Item -120.429855 ° -120.429855 DWR_NA0010_27_t _ 2012_17 DWR ID Action/Comments

Inspector Comments: No visible undermining at the structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Security Fencing				5°	37.045045 °	
					5 °	-120.429855 °	
DWR ID DWR_NA0010_27_t _ 2012_18							
Action/Comments							

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 19 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 37.045045° 37.045045° Item -120.429855 ° -120.429855 ° DWR_NA0010_27_t _ 2012_19 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. Rating ** LM Start 0.00 20 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 37.045045° 37.045045° Item -120.429855 ° -120.429855 ° DWR_NA0010_27_t _ 2012_20 DWR ID Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		21
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Other Metallic Items			37.0450	45 °	37.045045 °
item				-120.4298	55 °	-120.429855 °
DWR ID DWR_NA0010_27_t _ 2012_21						
		A .:	_			

Action/Comments

Inspector Comments: No metal items at this structure.

No Photos

LM Start	0.00	Rating **	М	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Monolith Joints			37.0450	45°	37.045045 °
item				-120.4298	55 °	-120.429855 °
DWR ID	DWR ID DWR_NA0010_27_t _ 2012_22					·

Action/Comments

Inspector Comments: The gasket on the right wingwall is starting to deteriorate. Recommend repair.



View of gasket on right wingwall. (2018)

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Safety			37.0450	45 °	37.045045	0
item		-120.4298	55 °	-120.429855	0		
DWR ID	DWR ID DWR_NA0010_27_t _ 2012_23						
	Action/Comments						

Action/Comments

Inspector Comments: No safety hazards visible.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Ash Slough Drop Structure No. 4		07/31/2019 07/31/2019	Corey Fujitani

0.00	Rating **	Α	Issue No.		24
0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined				atitud	le/Longitude
Channels			Start		End
Operation & Maintenance Manual			37.0450	45°	37.045045 °
			-120.4298	55 °	-120.429855 °
DWR ID DWR_NA0010_27_t _ 2013_24					
	Action/	Comme	nts		
Inspector Comments: The O&M manual is on file in the office.					
	Structures Channels Operation Manual DWR_NA00	Otructures & Concrete I Channels Operation & Maintenand Manual OWR_NA0010_27_t _ 2011 Action/	Structures & Concrete Lined Channels Operation & Maintenance Manual OWR_NA0010_27_t _ 2013_24 Action/Commen	Channels Channels Channels Start	Channels

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Bear Creek Diversion Structure	

Structure Rating	Α
Date of Inspection	7/30/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined				atitud	e/Longitude
Category Channels			Start		End	
ltom	Photo Documentation			37.2549	70°	37.254970°
пеш				-120.7184	50°	-120.718450 °
DWR ID	DWR_NA0					
Action/Comments						

Inspector Comments: Structure appears to be acceptably maintained.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Overview of structure from left bank looking upstream. (2019)

Photo 2 of 3: ST_2019_NA0010_34_1_20190802_00020.jpg



View of upstream side of structure looking at the left bank. (2019) Photo 3 of 3: ST_2019_NA0010_34_1_20190613_00003.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of downstream side of structure. (2017)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		2		
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Category Channels			Start		End		
Item	Vegetation & Obstructions			37.25497	°	37.254970 °		
Item				-120.718450	°	-120.718450 °		
DWR ID	DWR_NA0010_34_t _ 2012_2							
Action/Comments								

Inspector Comments: No vegetation issues identified.

No Photos

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Shoaling / Sedimentation 37.254970° 37.254970° Item -120.718450° -120.718450 ° DWR NA0010 34 t 2012 3 DWR ID

Action/Comments

Inspector Comments: No sedimentation or shoaling visible.

No Photos

LM Start	0.00	Rating **	М	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category				Start		End	
ltom	Item Erosion / Bank Caving			37.2549	70°	37.254970°	
пеш				-120.7184	50°	-120.718450 °	
DWR ID	DWR_NA0	2_4					
Action/Comments							

Inspector Comments: Erosion at upstream left bank undermining an area of concrete revetment.

Photo 1 of 2: ST_2019_NA0010_34_4_20190802_00021.jpg



View of erosion at left bank on the upstream side of the structure. (2019)

Page 2 of 12

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.	4 (cont)		
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End		
Item	Erosion / Bank Caving			37.25497	o°	37.254970	0
пеш				-120.71845	0°	-120.718450	0
DWR ID	DWR_NA0						
Action/Comments							

Inspector Comments: Erosion at upstream left bank undermining an area of concrete revetment.

Photo 2 of 2: ST_2019_NA0010_34_4_20190613_00005.jpg	J

Close up of erosion at upstream left bank. (2018)

LM Start	0.00	Rating **	М	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Revetments			37.2549	70°	37.254970°	
item				-120.7184	50°	-120.718450 °	
DWR ID	DWR_NA0	010_34_t _ 201	2_5				

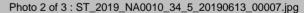
Action/Comments

Inspector Comments: Some minor revetment scouring on downstream side of structure was identified in previous inspections. Scour was not visible during 2019 inspection.



Looking at minor revetment erosion on downstream side of structure. (2015)

LM Start	0.00	Rating **	М	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





Looking at revements on downstream side of structure. (2015)

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated

C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Page 4 of 12

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00 Rating ** M			Issue No.		5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *	*		
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Revetments		37.2549	70°	37.254970°		
item				-120.718450 °		-120.718450 °	
DWR ID	DWR_NA0010_34_t _ 2012_5						
Action/Comments							

Inspector Comments: Some minor revetment scouring on downstream side of structure was identified in previous inspections. Scour was not visible during 2019 inspection.

Photo 3 of 3: ST_2019_NA0010_34_5_20190613_00008.jpg



Revetment erosion on downstream side of structure. (2018)

LM Start	0.00 Rating ** A			Issue No.		6	
LM End	0.00	00 Issue Type + Ma Location *					
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Encroach	Encroachments			70°	37.254970°	
item			-120.7184	50°	-120.718450 °		
DWR ID	DWR_NA0			·			
A - ti / C t-							

Action/Comments Inspector Comments: No encroachments identified. No Photos

LM Start	0.00 Rating ** A			Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Culverts: Inlets / Outlets		37.25497	'0°	37.254970	٥	
пеш				-120.71845	50°	-120.718450	٥
DWR ID	DWR_NA0	010_34_t _ 201	2_7				

Action/Comments

Inspector Comments: No debris blocking the culverts.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Start		End			
Item		Culverts: Breaks / Holes /		37.2549	70°	37.254970	٥
item	Cracks			-120.7184	50°	-120.718450	٥
DWR ID	DWR_NA0010_34_t _ 2012_8						
			<u></u>				

Action/Comments

Inspector Comments: No visible damage to culverts.

No Photos

Issue No. LM Start 0.00 Rating ** Ν Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Metal Pipes 37.254970° 37.254970° Item -120.718450° -120.718450 ° DWR NA0010 34 t 2012 9 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 10 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Racks 37.254970° 37.254970° Item -120.718450° -120.718450 ° DWR_NA0010_34_t _ 2012_10 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Flap Gates			37.25497	o°	37.254970 °
item				-120.71845	0 °	-120.718450 °
DWR ID	DWR_NA0010_34_t _ 2012_11					
Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 12 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Sluice/Slide Gates 37.254970° 37.254970° Item -120.718450° -120.718450 ° DWR ID DWR NA0010 34 t 2012 12

Action/Comments

Inspector Comments: Gate appear to be in good working condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures	GPS Latitude/Longitude					
Calegory	Channels	Start		End			
Item	Electric Gate Operators			37.2549	70°	37.254970	0
item		-120.7184	50°	-120.718450	0		
DWR ID	DWR_NA0010_34_t _ 2012_13						
		Action/	Comme	nts			

Inspector Comments: Electric gate appears to be properly maintained and is in good working condition.

Photo 1 of 2: ST_2019_NA0010_34_13_20190802_00022.jpg



Looking at gate operator on upstream side of structure. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Α	Issue No.		13 (cont)	
LM End	0.00	0.00 Issue Type + Ma				
Structures & Concrete Lined				GPS La	atitud	le/Longitude
Category	Channels			Start		End
Item	Electric G	ate Operators	;	37.2549	70°	37.254970°
item	em				50°	-120.718450 °
DWR ID DWR_NA0010_34_t _ 2012_13						
Action/Comments						

Inspector Comments: Electric gate appears to be properly maintained and is in good working condition.



Looking at electrial control panel on east side of structure. (2017)

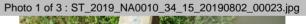
LM Start	0.00 Rating ** N			Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *	Location *		
Category Channels & Concrete Line				GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Manual G	ate Operators	i	37.2549	70°	37.254970°	
пеш			-120.7184	50°	-120.718450 °		
DWR ID DWR_NA0010_34_t _ 2012_14							
Action/Comments							

Inspector Comments: No manual gate operators on this structure.

No Photos

LM Start	0.00	Issue No.		15			
LM End	End 0.00 Issue Type + Ma						
Category Structures & Concrete Lined Channels				GPS La	tituc	le/Longitude	
				Start		End	
Itom	Concrete	Surfaces		37.25497	'0°	37.254970	•
пеш	Item					-120.718450	•
DWR ID DWR_NA0010_34_t _ 2012_15							
Action/Comments							

Inspector Comments: Cracking on upper surface of downstream left wing wall.





Cracking on left wing wall. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Α	Issue No.		15 (cont)	
LM End	0.00	0.00 Issue Type + Ma				
Structures & Concrete Lined				GPS La	tituc	de/Longitude
Category	Channels			Start		End
Item	Concrete	Surfaces		37.25497	'0°	37.254970°
пеш				-120.7184	60°	-120.718450°
DWR ID DWR_NA0010_34_t _ 2012_15						
Action/Comments						

Inspector Comments: Cracking on upper surface of downstream left wing wall.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Cracking on left wing wall. (2017)

Photo 3 of 3: ST_2019_NA0010_34_15_20190613_00013.jpg



Cracking on left wing wall. (2017)

LM Start	0.00	Rating **	Α	Issue No.		16
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels				GPS La	atitud	e/Longitude
				Start		End
Concrete Tilting / Settlement			ment	37.2549	70°	37.254970
пеш		-120.7184	50°	-120.718450		
DWR ID	ID DWR_NA0010_34_t _ 2012_16					
Action/Comments						
Inspector Comments: No visible settlement identified.						

No Photos

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	atitud	le/Longitude
Calegory	Channels					End
Itom	Concrete Foundations			37.2549	70°	37.254970°
item	ltem				50°	-120.718450 °
DWR ID DWR_NA0010_34_t _ 2012_17						
Action/Comments						

Inspector Comments: No visible erosion near foundation. Unable to view full area due to water level. (2019)

LM Start	0.00	Rating **	Α	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



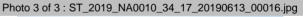
Looking at upstream side of structure.

Photo 2 of 3: ST_2019_NA0010_34_17_20190613_00015.jpg



Looking at downstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





Looking at left wing wall on upstream side of structure.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	18	
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Structures & Concrete Lined		GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Security F	Security Fencing		37.25497	o°	37.254970°
пеш				-120.71845	o°	-120.718450°
DWR ID	DWR_NA0	010_34_t _ 201	2_18			
			_			

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		GPS Latitude/Longitude					
Calegory	Channels		Start		End		
Item	Closure Structures		37.2549	70°	37.254970	0	
пеш				-120.7184	50°	-120.718450	0
DWR ID	DWR_NA0	010_34_t _ 201	2_19				

Action/Comments

Inspector Comments: There is no closure structure on this structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined		GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Trash Rakes		37.2549	70°	37.254970°	
пеш				-120.7184	50°	-120.718450 °
DWR ID	DWR_NA0	010_34_t _ 201	2_20			·
Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels		Start		End	
Item	Other Metallic Items		37.25497	70°	37.254970°	
пеш				-120.7184	50°	-120.718450°
DWR ID	DWR_NA0	010_34_t _ 201	2_21			
Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

Rating ** Issue No. LM Start 0.00 Α 22 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 37.254970° 37.254970° Item -120.718450° -120.718450 ° DWR NA0010 34 t 2012 22 DWR ID

Action/Comments

Inspector Comments: Joint deterioration on the headwall joint is visible.



Joint deterioration on right headwall. (2019)

LM Start	0.00	Rating **	Α	Issue No.	23	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Safety	Safety		37.254970°		37.254970 °
пеш				-120.7184	50 °	-120.718450 °
DWR ID	DWR_NA0	010_34_t _ 201	2_23			
Action/Comments						

Inspector Comments: No visible hazards near the structure.



Handrail added to downstream side of structure. (2019)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Bear Creek Diversion Structure		07/30/2019 07/30/2019	Corey Fujitani

0.00	Rating **	Α	Issue No.	24		
0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Operation & Maintenance Manual			37.2549	70°	37.254970°	
			-120.718450 °		-120.718450 °	
DWR_NA0	010_34_t _ 201	3_24				
	Action/	Comme	nts			
Inspector Comments: The manual is on file in the office.						
	0.00 Structures Channels Operation Manual DWR_NA00	0.00 Issue Type + Structures & Concrete I Channels Operation & Maintenan Manual DWR_NA0010_34_t _ 201 Action/	0.00 Issue Type + Ma Structures & Concrete Lined Channels Operation & Maintenance Manual DWR_NA0010_34_t _ 2013_24 Action/Commen	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Later Start Operation & Maintenance Manual 37.2549 -120.7184 -120.7184 DWR_NA0010_34_t _ 2013_24 Action/Comments	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Latitud Operation & Maintenance Manual 37.254970 ° DWR_NA0010_34_t _ 2013_24 -120.718450 °	

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Chowchilla Canal Bypass Control Structure	

Structure Rating	Α
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Photo Documentation			36.7740	21 °	36.774021 °
пеш				-120.2844	76 °	-120.284476 °
DWR ID	/R ID DWR_NA0010_65_t _ 2017_1					·
Action/Comments						

Inspector Comments: Structure appears to be properly maintained.

and the second second	
all markets	

Photo 1 of 3: ST_2019_NA0010_65_1_20190806_00010.jpg

View of downstream side of structure. (2019)

LM Start 0.00 Rating ** N Issue No. 1 (cont) LM End 0.00 Issue Type + Ma Location *

Photo 2 of 3: ST_2019_NA0010_65_1_20190806_00011.jpg



View of the top of the structure from the left bank. (2019)
Photo 3 of 3: ST_2019_NA0010_65_1_20190806_00012.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of upstream side of the structure. (2019)

* Location LS : Land Side WS : Water Side CR : Crown

Monday, August 26, 2019 14:30

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Vegetatio	Vegetation & Obstructions		36.77402	1°	36.774021 °	
item			-120.28447	6°	-120.284476 °		
DWR ID	DWR_NA0	010_65_t _ 201	7_2				
Action/Comments							

Action/Comments Inspector Comments: No signs of vegetation or obstructions identified.

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Shoaling / Sedimentation 36.774021° 36.774021° Item -120.284476 ° -120.284476 DWR_NA0010_65_t _ 2017_3 DWR ID

Action/Comments

Inspector Comments: No shoaling or sedimentation observed.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Erosion / Bank Caving 36.774021° 36.774021 ° Item -120.284476 ° -120.284476 ° DWR_NA0010_65_t _ 2017_4 DWR ID Action/Comments

Inspector Comments: No visible erosion near structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Category Channels		Start		End		
Item	Revetmer	nts		36.77402	1 °	36.774021 °
пеш				-120.28447	6°	-120.284476 °
DWR ID	DWR_NA0	010_65_t _ 201	7_5			
			_			

Action/Comments

Inspector Comments: Revetments appear to be maintained and in good condition.

No Photos

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Encroachments 36.774021° 36.774021° Item -120.284476 ° -120.284476 ° DWR ID DWR_NA0010_65_t _ 2017_6

Action/Comments

Inspector Comments: No encroachments identified near structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Channels			Start		End	
Item	Culverts:	Inlets / Outlets	5	36.7740	21 °	36.774021 °
пеш				-120.2844	76°	-120.284476 °
DWR ID DWR_NA0010_65_t _ 2017_7						
Action/Comments						

Inspector Comments: No obstructions identified in inlets and outlets.



View of structure outlets. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels		Start		End			
Item		Culverts: Breaks / Holes /			1°	36.774021 °	
пеш	Cracks		-120.28447	3°	-120.284476 °		
DWR ID DWR_NA0010_65_t _ 2017_8							
Action/Comments							

Inspector Comments: No visible breaks/cracks/holes identified in the structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Metal Pipes 36.774021° 36.774021° Item -120.284476 ° -120.284476 DWR NA0010 65 t 2017 9 DWR ID

Action/Comments

Inspector Comments: No metal pipes on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 10 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Racks 36.774021° 36.774021 ° Item -120.284476 ° -120.284476 ° DWR_NA0010_65_t _ 2017_10 DWR ID Action/Comments

Inspector Comments: There are no trash racks on this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable

U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Itom	Item Flap Gates			36.77402	1°	36.774021 °	
пеш				-120.284476 °		° -120.284476	
DWR ID	ID DWR_NA0010_65_t _ 2017_11						
Action/Comments							

Inspector Comments: There are no flap gates on this structure.

No Photos

0.00	Rating **	Α	Issue No.		12
0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude		
Channels	nnels		Start		End
Sluice/Sli	de Gates		36.7740	21 °	36.774021 °
Item			-120.2844	76°	-120.284476 °
DWR ID DWR_NA0010_65_t _ 2017_12					
	0.00 Structures Channels Sluice/Slice	0.00 Issue Type + Structures & Concrete I Channels Sluice/Slide Gates	0.00 Issue Type + Ma Structures & Concrete Lined Channels Sluice/Slide Gates	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS La Start Sluice/Slide Gates 36.7740 -120.28444	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels Sluice/Slide Gates 36.774021 ° -120.284476 °

Action/Comments

Inspector Comments: Gates are operable and appear to be well maintained.



Representative picture of the gates. (2019)

LM Start	0.00	Rating **	Α	Issue No.	13		
LM End	0.00	Issue Type + Ma Location *					
Cotogony	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels		Start		End			
Itom	Electric G	ate Operators	;	36.77402	1°	36.774021 °	
item	-120.284476		3°	-120.284476 °			
DWR ID DWR_NA0010_65_t _ 2017_13							
	Action/Comments						

Inspector Comments: Electric gate operators appear to be in good working condition.



View of electric gate operators. (2019)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

C : Corrected C
A/W : Acceptable but Monitor & Maintain E

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	13 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Electric G	ate Operators	;	36.77402	21 °	36.774021 °
пеш				-120.284476 °		-120.284476 °
DWR ID DWR_NA0010_65_t _ 2017_13						
Action/Comments						

Inspector Comments: Electric gate operators appear to be in good working condition.



Representative view of electric gate controls. (2019)

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Manual G	ate Operators		36.7740	21 °	36.774021°	
item				-120.2844	76°	-120.284476 °	
DWR ID	DWR_NA0	010_65_t _ 201	7_14				
Action/Comments							

Inspector Comments: No manual gate operators on this structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Concrete	Surfaces		36.7740	21 °	36.774021 °	
пеш				-120.2844	76°	-120.284476 °	
DWR ID DWR_NA0010_65_t _ 2017_15							
Action/Comments							

Inspector Comments: No visible signs of damage to concrete.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category		Start		End		
Itom	Concrete	Tilting / Settle	ment	36.77402	1°	36.774021 °	
Item				-120.284476	3°	-120.284476 °	
DWR ID	DWR_NA0	010_65_t _ 201	7_16				
A :: 10							

Action/Comments

Inspector Comments: No signs of tilting or settlement near the structure.

Issue No. LM Start 0.00 Rating ** Α 17 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Foundations 36.774021° 36.774021° Item -120.284476 ° -120.284476

DWR ID DWR_NA0010_65_t _ 2017_17

Action/Comments

Inspector Comments: No scouring or undermining visible near the structure.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 18 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Security Fencing 36.774021° 36.774021 ° Item -120.284476 ° -120.284476 ° DWR ID DWR_NA0010_65_t _ 2017_18 Action/Comments

Inspector Comments: Safety security fencing appears to be in good

condition with no signs of corrosion/damage.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Closure S	tructures		36.77402	1 °	36.774021 °	
пеш				-120.28447	3°	-120.284476 °	
DWR ID	R ID DWR_NA0010_65_t _ 2017_19						
	Action/Comments						

Inspector Comments: This item does not exist on the structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 20 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Rakes 36.774021° 36.774021° Item -120.284476 ° -120.284476 DWR NA0010 65 t 2017 20 DWR ID

Action/Comments

Inspector Comments: There are no trash rakes on this structure.

No Photos

Rating ** Issue No. LM Start 0.00 21 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 36.774021° 36.774021 ° Item -120.284476 ° -120.284476 ° DWR_NA0010_65_t _ 2017_21 DWR ID

Action/Comments

Inspector Comments: No visible corrosion identified. Metal parts appear to be in good condition.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Monolith .	Joints		36.7740	21 °	36.774021 °
item				-120.284476		-120.284476 °
DWR ID DWR_NA0010_65_t _ 2017_22						
Action/Comments						

Inspector Comments: Joint material is deteriorating, identified along the top on the roadway side of the structure and right wing wall. Recommend monitoring and repairing if the deterioration worsens.



Deterioration of joint material along top on roadway side of structure. (2019)

Rating ** 0.00 Issue No. LM Start 22 (cont) Location * LM End 0.00 Issue Type + Ма

Photo 2 of 2: ST_2019_NA0010_65_22_20190806_00020.jpg



Minor deterioration and vegetation growth in joint on right wing wall. (2019)

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined		GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Safety	Safety		36.77402	11°	36.774021°
пеш				-120.28447	6°	-120.284476 °
DWR ID	DWR_NA0	010_65_t _ 201	7_23			
Action/Comments						

Inspector Comments: No visilbe safety hazards identified.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Chowchilla Canal Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels				End	
Item		Operation & Maintenance Manual			21 °	36.774021 °	
пеш	Manual				76°	-120.284476 °	
DWR ID	DWR_NA0	010_65_t _ 201	7_24				
		Action/	Comme	nts			
Inspector (Comments	: Operator ma	anual on	file in office) .		

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Eastside Bypass Control Structure	

Structure Rating	Α
Date of Inspection	7/30/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ма	Location *		
Category Structures & Concrete Lined Channels				ned GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			37.2048	67°	37.204867°
item				-120.6969	85°	-120.696985 °
DWR ID	DWR_NA0	010_43_t _ 201	2_1			
		Action/	Comme	nts		

	S1_2019_NA0010_43_1_20190805_00015
ins	
	17 7 17 TO 18 18

View of the upstream side of the structure. (2019)

Photo 2 of 3: ST_2019_NA0010_43_1_20190613_00002.jpg





View of the downstream side of the structure. (2018)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View across the top of the structure from the left bank. (2019)

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	2	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Vegetatio	egetation & Obstructions		37.2048	67°	37.204867 °
пеш				-120.6969	85 °	-120.696985 °
DWR ID	DWR_NA0	2_NA0010_43_t _ 2012_2				
Action/Comments						

Inspector Comments: No visible vegetation issues.

No Photos

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Shoaling / Sedimentation 37.204867° 37.204867° Item -120.696985 ° -120.696985 ° DWR NA0010 43 t 2017 3 DWR ID

Action/Comments

Inspector Comments: No visible sedimentation, unable to view full area due to water levels.

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Erosion / Bank Caving 37.204867° 37.204867 Item -120.696985° -120.696985 ° DWR ID DWR_NA0010_43_t _ 2012_4 Action/Comments

Inspector Comments: No active erosion present.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Category Channels GPS Latitude/Longi					le/Longitude	
Calegory	Channels			Start		End
Item	Revetments			37.2048	67°	37.204867 °
item				-120.696985 °		-120.696985 °
DWR ID	DWR_NA0	010_43_t _ 201	9_5			
		Action/	Comme	nts		

No Photos

Rating ** Issue No. LM Start 0.00 Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Encroachments 37.204867° 37.204867° Item -120.696985 ° -120.696985 ° DWR ID DWR_NA0010_43_t _ 2012_6 Action/Comments

No Photos

Inspector Comments: No encroachments identified near the structure.

LM Start	0.00	Rating **	Α	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS La	atituc	le/Longitude
Calegory				Start		End
Item	Culverts: Inlets / Outlets			37.2048	67°	37.204867°
пеш				-120.696985 °		-120.696985 °
DWR ID	DWR_NA0010_43_t _ 2012_7					·
Action/Comments						

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

Rating A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels			_ined	GPS Latitude/Longitude			
Calegory	Channels	Channels				End	
Itom		Breaks / Hole	s/	37.204867°		37.204867	0
пеш	Item Cracks				-120.696985 °		0
DWR ID	DWR_NA0010_43_t _ 2012_8						
	Action/Comments						

Inspector Comments: No visible problems at the culverts.

No Photos

Issue No. LM Start 0.00 Rating ** Ν Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Metal Pipes 37.204867° 37.204867° Item -120.696985 ° -120.696985 ° DWR NA0010 43 t 2012 9 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 10 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Racks 37.204867° 37.204867 Item -120.696985 ° -120.696985 ° DWR_NA0010_43_t _ 2012_10 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11			
LM End	0.00	Issue Type +	Ма	Location *				
Cotogoni		s & Concrete I	_ined	GPS Lat	itud	e/Longitude		
Calegory	Channels			Start		End		
Item	Flap Gate	s		37.20486	7 °	37.204867 °		
пеш				-120.69698	5 °	-120.696985 °		
DWR ID	DWR_NA0	010_43_t _ 201	2_11					
	A :: 10							

Action/Comments

Α

Ма

Action/Comments Inspector Comments: Item appears to be adequately maintained and able to perform as intended. At least one grease fitting is not

Inspector Comments: Item does not exist on this structure.

Rating **

Issue Type +

Structures & Concrete Lined

No Photos



Looking at typical view of control gate. (2019)

Rating ** Issue No. 0.00 12 (cont) Issue Type + Location * 0.00 Ма

Issue No.

Location *

37.204867°

-120.696985 °

12

37.204867°

-120.696985 °

GPS Latitude/Longitude

Photo 2 of 3: ST_2019_NA0010_43_12_20190613_00005.jpg



View of control gates. (2018)

Location LS: Land Side WS: Water Side CR : Crown

LM Start

LM End

Category

Item

LM Start

LM End

0.00

0.00

Channels

connected to hinge point on gate.

Sluice/Slide Gates

DWR ID DWR_NA0010_43_t _ 2012_12

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		12 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item	Sluice/Slic	de Gates		37.20486	67°	37.204867°	
пеш				-120.696985 °		-120.696985 °	
DWR ID	DWR_NA0010_43_t _ 2012_12				·		
Action/Comments							

Inspector Comments: Item appears to be adequately maintained and able to perform as intended. At least one grease fitting is not connected to hinge point on gate.

Photo 3 of 3: ST_2019_NA0010_43_12_20190613_00007.jpg



View of grease point that is not connected. (2017)

LM Start	0.00	Rating **	Α	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude	
	Channels			Start		End	
Item	Electric Gate Operators			37.2048	67°	37.204867	0
item				-120.6969	85 °	-120.696985	0
DWR ID	DWR NAO	010 43 t 201	2 13				Т

Action/Comments

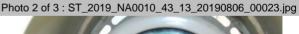
Inspector Comments: Gate operators perform as intended and appear to be adequately maintained.

Photo 1 of 3: ST_2019_NA0010_43_13	3_20190805_00017.jpg
	4



View of electric gate motors. (2019)

LM Start	0.00	Rating **	Α	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





Typical view of electric gate controls. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable : Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	ssue No. 13 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Category Channels			Start		End	
Itom	Electric G	ate Operators	;	37.2048	67°	37.204867°	
ltem '				-120.6969	85 °	-120.696985 °	
DWR ID	D DWR_NA0010_43_t _ 2012_13						
	Action/Comments						

Inspector Comments: Gate operators perform as intended and appear to be adequately maintained.



View of control panel. (2018)

LM Start	0.00	Rating **	N	Issue No.		14
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start		End
Item	Manual G	ate Operators		37.2048	67°	37.204867°
item					85 °	-120.696985 °
DWR ID	D DWR_NA0010_43_t _ 2017_14					
		Action/	Comme	nts		

Inspector Comments: Item does not exist on this structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End		
Item	Concrete	Surfaces		37.2048	67°	37.204867 °	
пеш				-120.6969	85 °	-120.696985 °	
DWR ID	DWR_NA0010_43_t _ 2012_15						
	Action/Comments						

Inspector Comments: Item appears to be acceptably maintained.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ма	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Concrete	Tilting / Settle	ment	37.20486	67°	37.204867 °	
Item				-120.69698	85 °	-120.696985 °	
DWR ID	DWR_NA0010_43_t _ 2012_16						
	Action/Comments						

Inspector Comments: No visible movement at or near structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Concrete	Foundations		37.2048	67°	37.204867 °	
item				-120.6969	85 °	-120.696985 °	
DWR ID	DWR NA0	010 43 t 201:	2 17				

Action/Comments

Inspector Comments: No visible erosion near foundation, unable to view full area due to water levels.

LM Start	0.00	Rating **	Α	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 2: ST_2019_NA0010_43_17_20190613_00010.jpg



Looking at downstream side of structure. (2017)

Photo 2 of 2: ST_2019_NA0010_43_17_20190613_00011.jpg



Looking at typical of control structure bay. (2017)

* Location LS: Land Side WS: Water Side CR: Crown

Monday, August 26, 2019 14:30

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ма	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Security F	encing		37.2048	67°	37.204867	0
пеш			-120.6			-120.696985	0
DWR ID	ID DWR_NA0010_43_t _ 2012_18						
Action/Comments							

Inspector Comments: Security fencing around electrical house is in good condition.



View of security fencing around electrical housing. (2019)

LM Start	0.00	Rating **	Α	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels				GPS Latitude/Longitude		
				Start		End
Item	Closure S	tructures		37.2048	67°	37.204867°
item			-120.6969	85 °	-120.696985°	
DWR ID DWR_NA0010_43_t _ 2012_19						
		A otion/	Commo	nto.		

Action/Comments

Inspector Comments: No visible problem with stoplogs on upstream side of structure.

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Trash Ral	ces		37.20486	67°	37.204867°	
пеш				-120.69698	35 °	-120.696985 °	
DWR ID	DWR_NA0010_43_t _ 2012_20						
Action/Comments							

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	21		
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Other Met	tallic Items		37.2048	67°	37.204867 °	
item			-120.6969	85 °	-120.696985 °		
DWR ID DWR_NA0010_43_t _ 2012_21							

Action/Comments

Inspector Comments: Minor rust on control gates but does not impact function.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	22	
LM End	0.00	Issue Type +	Ma	Location *		
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category Channels		Start		End	
Itom	Item Monolith Joints		37.2048	67°	37.204867 °	
пеш			-120.6969	85 °	-120.696985 °	
DWR ID	DWR_NA0	010_43_t _ 201	2_22			·

Action/Comments

Inspector Comments: Minor joint deterioration at wingwalls.

Photo 1 of 2 : ST_	2019 NA001	10 43 22	20190805	00021.ipa
				N. S.
				1
	1 15	1		"
11-11				
11 1				
1 × × ×	Y Comment		(1)(3) (1)(3)	in the

View of monolith joint at right wingwall. (2019)

 LM Start
 0.00
 Rating **
 A
 Issue No.
 22 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *

Photo 2 of 2: ST_2019_NA0010_43_22_20190805_00022.jpg



View of monolith joint at left wingwall. (2019)

* Location LS : Land Side WS : Water Side CR : Crown * Rating

A : Acceptable

M : Minimally Acceptable

U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	23	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Safety			37.2048	67°	37.204867 °
пеш	nem			-120.6969	35 °	-120.696985 °
DWR ID DWR_NA0010_43_t _ 2012_23						
Action/Comments						

Inspector Comments: No safety issues identified.

No Photos

Rating ** Issue No. LM Start 0.00 Α 24 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Operation & Maintenance 37.204867° 37.204867° Item Manual -120.696985 ° -120.696985 ° DWR ID DWR_NA0010_43_t _ 2013_24

Action/Comments

Inspector Comments: The O&M manual is on file in the office.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Eastside Bypass Drop Structure No. 1

Structure Rating	Α
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Category	Channels			Start		End
Item	Photo Documentation			36.9756	66°	36.975666°
пеш			-120.3821	43 °	-120.382143°	
DWR ID DWR_NA0010_29_t _ 2012_1						
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	issue ino.	1		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels				Start		End	
ltem Photo Documentation				36.9756	666°	36.975666°	
				-120.382143 °		13° -120.382143°	
DWR ID DWR_NA0010_29_t _ 2012_1							
		Action/	Comme	nts			

'n	noto 1 of 3 : \$1_2019_NA0010_29_1_20190806_	_00022.jp
	07	2019

Overview of structure from the left bank. (2019)

LM Start 0.00 Rating ** Issue No. 1 (cont) Location * LM End 0.00 Issue Type + Ma

Photo 2 of 3: ST_2019_NA0010_29_1_20190806_00019.jpg



View of right wing wall. (2019) Photo 3 of 3: ST_2019_NA0010_29_1_20190806_00021.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





View of left wing wall. (2019)

Location LS: Land Side WS: Water Side CR : Crown

Rating

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	2			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Channels	Start		End				
Item	Vegetatio	n & Obstructio	ons	36.97566	6°	36.975666°		
Item				-120.38214	3°	-120.382143 °		
DWR ID	ID DWR_NA0010_29_t _ 2012_2							
	Action/Comments							

Inspector Comments: No visible vegetation issues were identified.

No Photos

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Shoaling / Sedimentation 36.975666° 36.975666° Item -120.382143 ° -120.382143 ° DWR ID DWR_NA0010_29_t _ 2012_3

Action/Comments

Inspector Comments: No sedimentation near structure observed.

No Photos

LM Start	0.00	Rating **	М	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Erosion /	Bank Caving		36.9756	66°	36.975666°
пеш					43 °	-120.382143 °
DWR ID	DWR ID DWR_NA0010_29_t _ 2012_4					
Action/Comments						

Inspector Comments: Some caving on right wing wall(north side)

Photo 1 of 3: ST_2019_NA0010_29_4_20190807_00023.jpg



View of erosion/caving on right wing wall. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable

N: Not Inspected/Rated Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.	4 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude	
			Start		End	
Item	Erosion /	Bank Caving		36.9756	66 °	36.975666°
item	_			-120.3821	43 °	-120.382143 °
DWR ID DWR_NA0010_29_t _ 2012_4						
Action/Comments						

Inspector Comments: Some caving on right wing wall(north side)

LM Start	0.00	Rating **	М	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of erosion/caving on right wing wall (North side) (Summer 2017)

Photo 3 of 3: ST_2019_NA0010_29_4_20190613_00009.jpg



Looking at erosion/caving on right wing wall on summer 2014.

LM Start	0.00	Rating **	Α	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Revetmer	nts		36.9756	66 °	36.975666°
item					43 °	-120.382143 °
DWR ID DWR_NA0010_29_t _ 2012_5						
Action/Comments						

Inspector Comments: Item appears to be acceptably maintained



View of revetment looking towards right wing wall. (2019)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

ntain En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Revetmer	nts		36.97566	66°	36.975666°
пеш				-120.38214	ı3°	-120.382143 °
DWR ID DWR_NA0010_29_t _ 2012_5						
Action/Comments						

Inspector Comments: Item appears to be acceptably maintained



View of revetment looking towards right wing wall. (2018)

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Category				Start		End	
Item	Encroach	ments		36.9756	66 °	36.975666°	
item				-120.3821	43 °	-120.382143°	
DWR ID	ID DWR_NA0010_29_t _ 2012_6						
Action/Comments							

Inspector Comments: No visible encroachments near structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Calegory	Channels			Start		End	
Item	Culverts:	Inlets / Outlets	3	36.9756	66 °	36.975666°	
пеш				-120.3821	43 °	-120.382143 °	
DWR ID DWR_NA0010_29_t _ 2012_7							
	Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	8		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		GPS Latitude/Longitude					
Category	Channels		Start		End		
Culverts: Breaks / Holes /		36.9756	66 °	36.975666	٥		
item	Cracks		-120.3821	43 °	-120.382143	۰	
DWR ID	DWR_NA0	010_29_t _ 201	2_8				
Action/Comments							

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Metal Pipes 36.975666° 36.975666° Item -120.382143 ° -120.382143 ° DWR NA0010 29 t 2012 9 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 10 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Racks 36.975666° 36.975666° Item -120.382143 ° -120.382143 ° DWR_NA0010_29_t _ 2012_10 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	11	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels		GPS Latitude/Longitude				
		Start		End		
Item Flap Gates		36.97566	6°	36.975666°		
			-120.382143 °		-120.382143 °	
DWR ID DWR_NA0010_29_t _ 2012_11						
Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 12 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Sluice/Slide Gates 36.975666° 36.975666° Item -120.382143 ° -120.382143 ° DWR ID DWR_NA0010_29_t _ 2012_12

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 13 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Electric Gate Operators 36.975666° 36.975666° Item -120.382143° -120.382143 ° DWR ID DWR_NA0010_29_t _ 2012_13 Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

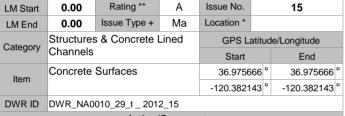
LM Start	0.00	Rating **	N	Issue No.	14			
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Category Channels		Start		End			
Item	Manual G	ate Operators	1	36.97566	6°	36.975666°		
пеш			-120.38214	3 °	-120.382143 °			
DWR ID	DWR_NA0	010_29_t _ 201	2_14			·		
	A ation (Common auto							

Action/Comments

Inspector Comments: Item does not exist on this structure.

Photo 1 of 3: ST_2019_NA0010_29_15_20190613_00012.jpg

No Photos



Action/Comments

Inspector Comments: Negligible spalling present on both wing walls. Small crack at head wall.



Minor spalling on right wing wall (North side) (2018)

Rating ** Issue No. 15 (cont) LM Start 0.00 Issue Type + Location * 0.00 Ма LM End

Photo 2 of 3: ST_2019_NA0010_29_15_20190613_00013.jpg



Minor spalling on left wing wall (South side) (Summer 2017)

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels			Start		End		
Item	Concrete	Surfaces		36.9756	66 °	36.975666°	
item					43 °	-120.382143 °	
DWR ID	DWR_NA0010_29_t _ 2012_15						
Action/Comments							

Inspector Comments: Negligible spalling present on both wing walls. Small crack at head wall.

Photo 3 of 3: ST_2019_NA0010_29_15_20190613_00014.jpg



Small crack at head wall. (2018)

LM Start	0.00	Rating **	Α	Issue No.	16			
LM End	0.00	Issue Type +	Ma	Location *				
Category Structures & Concrete Lined Channels				GPS Latitude/Longitude				
				Start		End		
Item	Concrete	Tilting / Settle	ment	36.97566	66°	36.975666°		
пеш				-120.3821	43 °	-120.382143 °		
DWR ID	DWR_NA0	010_29_t _ 201	2_16					
	Action/Comments							

Inspector Comments: No visible settlement near the structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17			
LM End	0.00	Issue Type +	Ma	Location *				
Catagony	Category Structures & Concrete Lined Channels				GPS Latitude/Longitude			
Calegory						End		
Item	Concrete	Foundations		36.9756	66°	36.975666°		
пеш				-120.382143 °		-120.382143 °		
DWR ID	DWR_NA0	010_29_t _ 201	2_17			·		
Action/Comments								

Inspector Comments: No undermining of the structure is visible.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	18			
LM End	0.00	Issue Type +	Ма	Location *				
Category	Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels		Start		End			
Item	Security F	Security Fencing			6°	36.975666	0	
Item		-120.382143 °		-120.382143	0			
DWR ID	DWR_NA0	010_29_t _ 201	7_18					
	Action/Comments							

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 19 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 36.975666° 36.975666° Item -120.382143 ° -120.382143 ° DWR ID DWR_NA0010_29_t _ 2012_19

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 20 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 36.975666° 36.975666° Item -120.382143 ° -120.382143 ° DWR_NA0010_29_t _ 2012_20 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	21		
LM End	0.00	Issue Type +	Ма	Location *			
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Category Channels		Start		End		
Item	Other Met	tallic Items		36.97566	3°	36.975666°	
пеш				-120.382143	3°	-120.382143 °	
DWR ID	DWR_NA0	010_29_t _ 201	2_21				
		A .: /	_				

Action/Comments

Inspector Comments: No metalic parts at this structure.

Photo 1 of 4: ST_2019_NA0010_29_22_20190613_00015.jpg

No Photos



View of left wing wall with missing gasket. (2017)

Issue No. LM Start 0.00 Rating ** 22 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 36.975666° 36.975666° Item -120.382143° -120.382143 ° DWR ID DWR_NA0010_29_t _ 2012_22

Action/Comments

Inspector Comments: Some minor movement and rubber seal missing at the wing wall joint on south wingwall.

LM Start	0.00	Rating **	М	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at left wing wall joint missing rubber gasket. (2017)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.	22 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category		s & Concrete I	_ined	GPS Latitude/Longitude Start End		
Calegory	Channels					
Item	Monolith Joints			36.9756	66 °	36.975666°
пеш				-120.3821	43 °	-120.382143 °
DWR ID	DWR_NA0010_29_t _ 2012_22					·
Action/Comments						

Inspector Comments: Some minor movement and rubber seal missing at the wing wall joint on south wingwall.

LM Start	0.00	Rating **	М	Issue No.	22 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



Looking at top view of right wing wall. (2017)

Photo 4 of 4: ST_2019_NA0010_29_22_20190613_00018.jpg



Looking at right wing wall. (2017)

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ма	Location *			
Category			& Concrete Lined GPS Latitude/Long			le/Longitude	
Calegory	Channels			Start		End	
Item	Safety			36.975666°		36.975666	
пеш			-120.382143 °		-120.382143		
DWR ID	DWR_NA0	010_29_t _ 201	2_23				
		Action/	Comme	nts			
Inspector (nspector Comments: No visible safety issues identified.						

No Photos

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 1		07/31/2019 07/31/2019	Corey Fujitani

0.00	Rating **	Α	Issue No.	24		
0.00	Issue Type +	Ma	Location *			
	& Concrete I	Lined	GPS La	SPS Latitude/Longitude		
Channels	nannels				End	
Operation & Maintenance		36.975666°		36.975666°		
Item Manual			-120.382143 °		-120.382143 °	
DWR_NA0	010_29_t _ 201	3_24				
	Action/	'Comme	nts			
Comments	: The O&M m	anual is	on file in th	e off	fice.	
	0.00 Structures Channels Operation Manual DWR_NA00	0.00 Issue Type + Structures & Concrete I Channels Operation & Maintenan Manual DWR_NA0010_29_t _ 201 Action/	0.00 Issue Type + Ma Structures & Concrete Lined Channels Operation & Maintenance Manual DWR_NA0010_29_t _ 2013_24 Action/Comme	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels GPS Late Start Operation & Maintenance Manual 36.9756 DWR_NA0010_29_t _ 2013_24 -120.3821 Action/Comments	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels Start Operation & Maintenance 36.975666 ° Manual -120.382143 ° DWR_NA0010_29_t _2013_24	

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Eastside Bypass Drop Structure No. 2

Structure Rating	Α
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined				atituc	de/Longitude	
Calegory	Channels	annels				End	
Item	Photo Do	Photo Documentation			06°	36.975706°	
пеш					85 °	-120.374885 °	
DWR ID DWR_NA0010_30_t _ 2012_1							
		Action/	Comme	nts			

LM Start	0.00	Rating **	N	Issue No.	1 (cont)

Location *

Issue Type +

LM End

0.00



Overview of structure looking upstream from left bank. (2018)

Photo 2 of 3: ST_2019_NA0010_30_1_20190807_00009.jpg



View of the left wing wall. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the right wing wall. (2019)

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Category Channels			Start		End	
ltom	Vegetatio	n & Obstructio	ons	36.9757	06°	36.975706°
пеш	Item		-120.3748	35 °	-120.374885 °	
DWR ID	DWR_NA0	010_30_t _ 2012_2				
Action/Comments						

Action/Comments Inspector Comments: No vegetation or obstructions were present.

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Category	Channels		Start		End			
Item	Shoaling /	Sedimentation	on	36.9757	06°	36.975706	0	
пеш				-120.3748	85 °	-120.374885	0	
DWR ID DWR_NA0010_30_t _ 2012_3								
Action/Comments								

No Photos

No Photos

Inspector Comments: No sedimentation or shoaling present.

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels			Start		End		
Item	Erosion /	Bank Caving		36.9757	06°	36.975706°	
item				-120.3748	85 °	-120.374885 °	
DWR ID DWR_NA0010_30_t _ 2012_4							
Action/Comments							

Inspector Comments: No visible erosion or caving present.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

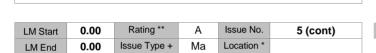
Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Revetmer	nts		36.9757	06°	36.975706°	
item				-120.374885 ° -		-120.374885 °	
DWR ID	WR ID DWR_NA0010_30_t _ 2012_5						
Action/Comments							

Inspector Comments: Revetment appears to be properly maintained.





View of downstream revetment from right wing wall. (2019)

Photo 2 of 2: ST_2019_NA0010_30_5_20190613_00003.jpg



View of downstream revetment. (2018)

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			_ined	GPS Latitude/Longitude			
Category	Channels		Start		End		
Encroachments Item				36.9757	06°	36.975706	
пеш				-120.3748	85 °	-120.374885	
DWR ID	DWR_NA0	010_30_t _ 201	2_6				
		Action/	Comme	nts			
Inspector (Comments	: No visible e	ncroachr	nents.			

No Photos

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start	End		
Item	Culverts:	Inlets / Outlets	5	36.97570	6°	36.975706°	
Item				-120.374885 °		-120.374885 °	
DWR ID	DWR_NA0010_30_t _ 2012_7						
	Action/Comments						

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Breaks / Holes / 36.975706° 36.975706° Item Cracks -120.374885 ° -120.374885 ° DWR_NA0010_30_t _ 2012_8 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Metal Pipes 36.975706° 36.975706 ° Item -120.374885 ° -120.374885 ° DWR_NA0010_30_t _ 2012_9 DWR ID Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		10		
LM End	0.00	Issue Type +	Ма	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Category Channels			Start		End		
ltom	Trash Rad	cks		36.97570	6°	36.975706°		
пеш	ltem			-120.37488	5 °	-120.374885 °		
DWR ID	DWR_NA0	010_30_t _ 201	2_10					
	A ation /Commonto							

Action/Comments

Inspector Comments: This item does not exist at this structure.

Issue No. LM Start 0.00 Rating ** Ν 11 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Flap Gates 36.975706° 36.975706° Item -120.374885 ° -120.374885 ° DWR NA0010 30 t 2012 11 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 12 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Sluice/Slide Gates 36.975706° 36.975706 ° Item -120.374885 ° -120.374885 ° DWR_NA0010_30_t _ 2012_12 DWR ID Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	13	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Electric G	ate Operators	3	36.97570	6°	36.975706°
Item				-120.374885 °		-120.374885 °
DWR ID	R ID DWR_NA0010_30_t _ 2012_13					
Action/Comments						

Inspector Comments: This item does not exist at this structure.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 14 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Manual Gate Operators 36.975706° 36.975706° Item -120.374885 ° -120.374885 ° DWR_NA0010_30_t _ 2012_14 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

LM Start	0.00	Rating **	М	Issue No.	15			
LM End	0.00	Issue Type +	Ма	Location *				
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude					
			Start		End			
Item	Concrete	Surfaces		36.9757	06°	36.975706°		
пеш			-120.3748	85 °	-120.374885 °			
DWR ID DWR_NA0010_30_t _ 2012_15								
	Action/Comments							

Inspector Comments: Damage to dissipator near right wing wall.

Photo 1 of 1: ST_2019_NA0010_30_15_20190807_00012.jpg



Dissipator near right wing wall is damaged. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Concrete	Tilting / Settle	ment	36.97570	6°	36.975706°	
пеш				-120.37488	5 °	-120.374885 °	
DWR ID	DWR_NA0010_30_t _ 2012_16						
	Action/Comments						

Inspector Comments: No visible movement or settlement was present during inspection.

Issue No. LM Start 0.00 Rating ** Α 17 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Foundations 36.975706° 36.975706° Item -120.374885 ° -120.374885 ° DWR NA0010 30 t 2012 17 DWR ID

Action/Comments Inspector Comments: No visible erosion or undermining near the

Issue No. Rating ** LM Start 0.00 Ν 18 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Security Fencing 36.975706° 36.975706 ° Item -120.374885 ° -120.374885 ° DWR ID DWR_NA0010_30_t _ 2012_18 Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

structure identified.

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		19		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Category Channels				Start		End		
Item	Closure S	tructures		36.9757	06°	36.975706	0	
пеш				-120.374885 °		-120.374885	0	
DWR ID	DWR_NA0010_30_t _ 2012_19							
	Action/Comments							

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 20 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Rakes 36.975706° 36.975706° Item -120.374885 ° -120.374885 DWR NA0010 30 t 2012 20 DWR ID

Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Issue No. Rating ** LM Start 0.00 21 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 36.975706° 36.975706 ° Item -120.374885 ° -120.374885 ° DWR_NA0010_30_t _ 2012_21 DWR ID Action/Comments

Inspector Comments: This item does not exist at this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable U : Unacceptable

N: Not Inspected/Rated M: Minimally Acceptable C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Monolith .	Joints		36.9757	06 °	36.975706	0
item				-120.374885 ° -120.374			0
DWR ID	DWR ID DWR_NA0010_30_t _ 2018_22						
Action/Comments							

Inspector Comments: Rubber seal deteriorated between the joints of structure.

LM Start	0.00	Rating **	М	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



Joint derterioration at left headwall. (2019)

Photo 2 of 4: ST_2019_NA0010_30_22_20190613_00006.jpg



Close up view of joint deterioration on left side of structure. (2018) Photo 3 of 4: ST_2019_NA0010_30_22_20190807_00014.jpg

LM Start	0.00	Rating **	М	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Joint derterioration on left wing wall. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Eastside Bypass Drop Structure No. 2		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.		22 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude		
Category Channels			Start		End	
Item	Monolith .	Joints		36.9757	06°	36.975706°
пеш				-120.374885		-120.374885 °
DWR ID	ID DWR_NA0010_30_t _ 2018_22					
Action/Comments						

Inspector Comments: Rubber seal deteriorated between the joints of structure.



Joint deterioration on left bank at wingwall (2017)

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Safety			36.9757	06°	36.975706°
item	Item			-120.3748	85 °	-120.374885 °
DWR ID DWR_NA0010_30_t _ 2012_23						
		A otion/	Commo	nto.		

Action/Comments Inspector Comments: No visible safety hazards. No Photos

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Operation & Maintenance			36.97570)6°	36.975706°	
пеш	Manual		-120.37488	35 °	-120.374885 °		
DWR ID	DWR_NA0010_30_t _ 2013_24						
Action/Comments							

Inspector Comments: The O&M manual is on file in the office.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Fresno River Drainage Structure	

Structure Rating	Α
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Photo Documentation			36.975418°		36.975418 °
пеш				-120.359578 °		-120.359578 °
DWR ID	DWR_NA0	010_39_t _ 201	2_1			
		Action/	Comme	nts		

	- Control of the cont	
多处		
		07 24 300

Photo 1 of 3: ST_2019_NA0010_39_1_20190807_00013.jpg

View of control gates looking south. (2019)

 LM Start
 0.00
 Rating **
 N
 Issue No.
 1 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *

Photo 2 of 3: ST_2019_NA0010_39_1_20190807_00012.jpg



View of inlet side of the structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of outlet side of structure looking southeast (Summer 2017)

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

tor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

	LM Start	0.00	Rating **	Α	Issue No.		2	
	LM End	0.00	Issue Type +	Ma	Location *			
	Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
					Start		End	
	Item	Vegetation & Obstructions			36.9754	18°	36.975418	0
					-120.3595	78 °	-120.359578	0
	DWR ID	DWR_NA0	010_39_t _ 201	7_2				
				_				

Action/Comments

Inspector Comments: No vegetation issues identified at the inlet or outlet of the structure.

No Photos

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Shoaling / Sedimentation 36.975418° 36.975418° Item -120.359578° -120.359578 ° DWR NA0010 39 t 2012 3 DWR ID

Action/Comments

Inspector Comments: No shoaling or sedimentation issues were visible during inspection.

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Erosion / Bank Caving 36.975418° 36.975418 ° Item -120.359578° -120.359578 ° DWR_NA0010_39_t _ 2012_4 DWR ID Action/Comments

Inspector Comments: No visible erosion identified during inspection.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

A : Acceptable

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		5	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Revetmer	nts		36.9754	18°	36.975418	0
Item				-120.3595	78°	-120.359578	0
DWR ID	DWR_NA0	010_39_t _ 201	2_5				
			_				

Action/Comments

Inspector Comments: No revetment at this location.

No Photos

LM Start	0.00	Rating **	М	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Encroachments			36.9754	18°	36.975418	0
item				-120.3595	78 °	-120.359578	0
DWR ID	DWR_NA0010_39_t _ 2012_6						

Action/Comments

Inspector Comments: Wood planks used to prop open outlet flap gates.



Wood planks used to prop open flap gates. (2019)

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Culverts:	Inlets / Outlets	3	36.9754	18°	36.975418	۰
item				-120.3595	78°	-120.359578	0
DWR ID	DWR_NA0	010_39_t _ 201					
		A -4:	C	-1-			

Action/Comments

Inspector Comments: Culverts are clear of obstructions. Wood planks were used to prop open the flap gates (see issue 6).



View of inlet side of structure. (2019)

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		7 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Culverts:	Inlets / Outlets	3	36.9754	18°	36.975418°
пеш				-120.3595	78°	-120.359578°
DWR ID	DWR_NA0010_39_t _ 2012_7					
	Action/Comments					

Inspector Comments: Culverts are clear of obstructions. Wood planks were used to prop open the flap gates (see issue 6).

Photo 2 of 2: ST_2019_NA0010_39_7_20190807_00016.jpg



View of outlet side of structure. Wood planks have been placed to prop open flap gates. (2019)

LM Start	0.00	Rating **	Α	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category Channels		Start		End	
Item		Breaks / Hole	s/	36.9754	18°	36.975418°
пеш	Cracks	Cracks			78°	-120.359578 °
DWR ID	DWR_NA0	VR_NA0010_39_t _ 2012_8				
		Action/	Commo	ntc		

Action/Comments

Inspector Comments: No visible issues identified in the culverts.

No Photos

LM Start	0.00	Rating **	N	Issue No.	9		
LM End	0.00	Issue Type +	Ma	Location *			
Category	GPS Latitude/Longitude						
Channels				Start		End	
Item	Metal Pipe	es		36.9754	18°	36.975418	0
пеш				-120.3595	78 °	-120.359578	0
DWR ID	DWR_NA0						
Action/Comments							

Inspector Comments: Item does not exist on this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Category	Channels	Start		End		
Item	Trash Rad	cks		36.9754	18°	36.975418°
пеш			-120.3595	78 °	-120.359578 °	
DWR ID	ID DWR_NA0010_39_t _ 2012_10					·
Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

Rating ** Issue No. LM Start 0.00 Α 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Flap Gates 36.975418° 36.975418° Item -120.359578° -120.359578 ° DWR ID DWR NA0010 39 t 2012 11

Action/Comments

Inspector Comments: Flap gates have been propped open with wood planks.



Flap gates have been propped open using wood planks. (2019)

LM Start	0.00	Rating **	Α	Issue No.	12	
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels					End
Item	Sluice/Slic	de Gates		36.97541	8°	36.975418°
пеш				-120.35957	8 °	-120.359578 °
DWR ID	DWR_NA0010_39_t _ 2012_12					
Action/Comments						

Inspector Comments: Slide gates appear to be in good condition.



Typical view of slide gate. (2019)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude		e/Longitude		
Category Channels			Start		End		
Item	Electric G	ate Operators	3	36.9754	18°	36.975418	0
пеш	nem			-120.3595	78°	-120.359578	0
DWR ID	DWR_NA0	010_39_t _ 201	2_13				
			_				

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

LM Start	0.00	Rating **	М	Issue No.		14
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Manual G	ate Operators	;	36.9754	8 °	36.975418°
пеш			-120.35957	'8°	-120.359578°	
DWR ID	DWR_NA0	010_39_t _ 201	2_14			

Action/Comments

Inspector Comments: Missing wheel on two of four screw gates. One wheel handle is broken. Wheel handles could not be operated. Manual operator components should be greased and maintained.

LM Start	0.00	Rating **	М	Issue No.	14 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 2: ST_2019_NA0010_39_14_20190807_00020.jpg



View of slide gate manual operators. (2019)

Photo 2 of 2: ST_2019_NA0010_39_14_20190613_00010.jpg



View of missing and broken wheel handles. (2018)

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Structures & Concrete Lined Channels			ed GPS Latitude/Longi			
Calegory				Start		End	
Item	Concrete Surfaces			36.9754	18°	36.975418	0
Item				-120.3595	78°	-120.359578	0
DWR ID	DWR_NA0	010_39_t _ 201	2_15				
			_				

Action/Comments

Inspector Comments: No visible cracking on concrete surfaces.

No Photos

Issue No. LM Start 0.00 Rating ** Α 16 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Tilting / Settlement 36.975418° 36.975418° Item -120.359578° -120.359578 ° DWR_NA0010_39_t _ 2012_16 DWR ID

Action/Comments

Inspector Comments: No visible tilting or settlement present at structure.

No Photos

Issue No. Rating ** LM Start 0.00 17 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 36.975418° 36.975418 ° Item -120.359578° -120.359578 ° DWR_NA0010_39_t _ 2012_17 DWR ID Action/Comments

Inspector Comments: No foundation problems were visible/identified.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ма	Location *			
Cotogoni	Structures & Concrete Lined			otogon/			e/Longitude
Calegory	Channels		Start		End		
Item	Security Fencing			36.97541	B°	36.975418 °	
пеш			-120.35957	3°	-120.359578 °		
DWR ID DWR_NA0010_39_t _ 2012_18							
			_				

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 19 Issue Type + Location * 0.00 Ma LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 36.975418° 36.975418° Item -120.359578° -120.359578 ° DWR ID DWR_NA0010_39_t _ 2012_19

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 20 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 36.975418° 36.975418 ° Item -120.359578° -120.359578 ° DWR_NA0010_39_t _ 2012_20 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		21
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Other Metallic Items			36.9754	18°	36.975418°
пеш				-120.3595	78 °	-120.359578 °
DWR ID DWR_NA0010_39_t _ 2017_21						
Action/Comments						

Inspector Comments: Minor corrosion seen on flap gates.

Photo 1 of 1 : ST_2019_NA0010_39_21_20190613_00011.jpg



Looking at flap gates on downstream side of structure. (Summer 2016)

LM Start	0.00 Rating **		Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Monolith Joints			36.97541	8 °	36.975418	۰
пеш			-120.35957	'8 °	-120.359578	۰	
DWR ID DWR_NA0010_39_t _ 2012_22							
1 1 10							

Action/Comments

Inspector Comments: No monolith joint problem was visible during the inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Safety			36.9754	8 °	36.975418°	
пеш				-120.35957	'8	-120.359578 °	
DWR ID DWR_NA0010_39_t _ 2012_23							
Action/Comments							

Inspector Comments: No safety issues were visible.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Fresno River Drainage Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		24		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined Channels						tituc	le/Longitude
Calegory				Start		End		
Item	Operation & Maintenance			36.97541	8°	36.975418°		
пеш	Manual			-120.35957	'8	-120.359578 °		
DWR ID	DWR_NA0010_39_t _ 2013_24							
Action/Comments								
Inspector Comments: The O&M manual is on file in the office.								

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure
Mariposa Bypass Control Structure

Structure Rating	Α
Date of Inspection	7/30/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Struc	ture	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass	Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Photo Do	cumentation		37.2015	38°	37.201538°
пеш					13 °	-120.694813 °
DWR ID	DWR ID DWR_NA0010_44_t _ 2012_1					
Action/Comments						

Inspector Comments: Item appears to be adequately maintained and able to perform as intended.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



Overview of upstream side of structure. (2019)

Photo 2 of 4: ST_2019_NA0010_44_1_20190806_00016.jpg



Overview of downstream side of structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View across the top of structure. (2019)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined				atitud	e/Longitude
Calegory	Channels			Start		End
Item	Photo Do	cumentation		37.2015	38°	37.201538°
пеш					13 °	-120.694813 °
DWR ID DWR_NA0010_44_t _ 2012_1						
Action/Comments						

Action/Comments

Inspector Comments: Item appears to be adequately maintained and able to perform as intended.



Looking southeast at the downstream side of the structure. (2017)

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	Channels				End
Item	Vegetatio	n & Obstructio	ons	37.2015	38°	37.201538°
item				-120.6948	13°	-120.694813 °
DWR ID	DWR_NA0	010_44_t _ 201	2_2			
			_			

Action/Comments

Inspector Comments: No visible vegetation or obstructions impeding the flow.

No Photos

LM Start	0.00 Rating ** A			Issue No.		3	
LM End	0.00	Issue Type + Ma		Location *			
Category		Structures & Concrete Lined			itud	e/Longitude	
Calegory	Channels			Start		End	
Item	Shoaling /	Shoaling / Sedimentation			8°	37.201538	0
пеш					3°	-120.694813	0
DWR ID	DWR_NA0	010_44_t _ 201	2_3				

Action/Comments

Inspector Comments: No sedimentation build-up or shoaling near the structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

							_
LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude		e/Longitude	
Calegory	Channels		Start		End		
Item	Erosion /	Bank Caving		37.2015	38°	37.201538	0
пеш				-120.6948	13 °	-120.694813	0
DWR ID	DWR_NA0	010_44_t _ 201	2_4				
		A - 1' 1	O	- 1 -			

Action/Comments

Inspector Comments: No visible erosion near the structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS La	atitud	e/Longitude
Calegory	Channels	;		Start		End
Item	Revetmer	Revetments			38°	37.201538°
пеш				-120.6948	13 °	-120.694813 °
DWR ID	DWR_NA0	010_44_t _ 201	2_5			

Action/Comments

Inspector Comments: Revetments appear to be in proper condition. Some minor erosion on the outlet side of the structure but riprap is still intact in the area.

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 2: ST_2019_NA0010_44_5_20190613_00005.jpg



Revetment erosion spot downstream of structure. (2018)

Photo 2 of 2: ST_2019_NA0010_44_5_20190613_00006.jpg



Close up view of erosion spot. (2018)

Page 3 of 11

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

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Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		6				
LM End	0.00	Issue Type +	Ма	Location *						
Catagory	Structures & Concrete Lined Channels						GPS Lati	tud	e/Longitude	
Calegory				Start		End				
Item	Encroach	ments		37.20153	3°	37.201538	0			
пеш				-120.694813	3°	-120.694813	0			
DWR ID	DWR_NA0	010_44_t _ 201	2_6							

Action/Comments

Inspector Comments: No encroachments were found near the structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels	Start		End			
Item	Culverts: Inlets / Outlets			37.2015	38°	37.201538	0
пеш				-120.6948	13 °	-120.694813	0
DWR ID	DWR_NA0	010_44_t _ 201	2_7				

Action/Comments

Inspector Comments: No debris blocking culverts.



Typical view of outlets. (2019)

LM Start	0.00	Rating **	Α	Issue No.		8		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS La	atitud	le/Longitude			
Calegory	Channels			Start		End		
ltom	Culverts: Breaks / Holes / Cracks			37.2015	38°	37.201538	٥	
Item				-120.6948	13 °	-120.694813	٥	
DWR ID DWR_NA0010_44_t _ 2012_8								
	Action/Commonts							

Action/Comments

Inspector Comments: No visible damage to culverts.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Metal Pipe	Metal Pipes			8°	37.201538°	
пеш			-120.69481	3°	-120.694813 °		
DWR ID	DWR_NA0	VR_NA0010_44_t _ 2012_9					
Action/Comments							

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 10 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 37.201538° 37.201538° Item -120.694813 ° -120.694813 ° DWR NA0010 44 t 2018 10 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Flap Gates 37.201538° 37.201538° Item -120.694813 ° -120.694813 ° DWR_NA0010_44_t _ 2012_11 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Sluice/Slide Gates			37.2015	38°	37.201538°	
item			-120.6948	13 °	-120.694813 °		
DWR ID DWR_NA0010_44_t _ 2012_12							
Action/Comments							

Inspector Comments: No visible damage, sediment or obstructions identified.

FII	1010 1 01 1 . 31_2019_NA0010_44_12_20190606_00022.J	μy



View of the radial gates. (2019)

LM Start	0.00	Rating **	Α	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels		Start		End	
Item	Electric Gate Operators			37.2015	38°	37.201538°
item			-120.6948	13°	-120.694813 °	
DWR ID DWR_NA0010_44_t _ 2012_13					·	

Action/Comments

Inspector Comments: Electrical gates appear to be in proper working condition. Some of the plates on ball bearing encasements have been displaced.

LM Start	0.00	Rating **	Α	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 4: ST_2019_NA0010_44_13_20190806_00023.jpg



Typical view of electrical gates on upstream side of structure. (2019)

Photo 2 of 4: ST_2019_NA0010_44_13_20190806_00025.jpg



Bearing plates dislodged from bearing encasement. (2019)

Location LS: Land Side WS: Water Side CR : Crown

LM End

A : Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	13 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Cotogony	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Category				Start		End	
Item	Electric Gate Operators			37.201538°		37.201538°	
				-120.6948	13 °	-120.694813 °	
DWR ID	DWR_NA0010_44_t _ 2012_13						
Action/Comments							

Inspector Comments: Electrical gates appear to be in proper working condition. Some of the plates on ball bearing encasements have been displaced.

LM Start	0.00	Rating **	Α	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of electrical gate controls. (2019)

Photo 4 of 4: ST_2019_NA0010_44_13_20190613_00011.jpg



View of control panel. (2018)

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start	End		
Item	Manual Gate Operators			37.2015	38°	37.201538	
				-120.6948	13 °	-120.694813	
DWR ID	DWR_NA0						
		Action/	Comme	nts			
Inspector (Comments	: Item does n	ot exist o	n this struc	ture		

No Photos

* Rating

A : Acceptable
M : Minimally Acceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels	Channels				End	
Item	Concrete Surfaces			37.2015	38°	37.201538°	
пеш				-120.6948	13 °	-120.694813 °	
DWR ID DWR_NA0010_44_t _ 2012_15							
Action/Comments							

Inspector Comments: Exposed rebar at expansion joint on upstream side of structure.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Exposed rebar at expansion joint on upstream side of structure. (2019)

Photo 2 of 2: ST_2019_NA0010_44_15_20190613_00013.jpg



Close up of exposed rebar. (2018)

LM Start	0.00	Rating ** A		Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Concrete	oncrete Tilting / Settlement			38°	37.201538	
пеш						-120.694813	
DWR ID	DWR_NA0	010_44_t _ 201	2_16				
		Action/	Comme	nts			
Inspector (ector Comments: No visible movement along the structure.						

No Photos

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels	Channels				End	
Item	Concrete Foundations			37.20153	8 °	37.201538 °	
Item			-120.69481	3°	-120.694813 °		
DWR ID DWR_NA0010_44_t _ 2012_17							
Action/Comments							

Inspector Comments: No visible undermining near the structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 18 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Security Fencing 37.201538° 37.201538° Item -120.694813 ° -120.694813 ° DWR NA0010 44 t 2012 18 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 19 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Closure Structures 37.201538° 37.201538 ° Item -120.694813 ° -120.694813 ° DWR ID DWR_NA0010_44_t _ 2012_19 Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Trash Rakes			37.20153	8°	37.201538	0
пеш	n			-120.69481	3°	-120.694813	0
DWR ID DWR_NA0010_44_t _ 2012_20							
	Action/Comments						

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Α 21 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Other Metallic Items 37.201538° 37.201538° Item -120.694813° -120.694813 ° DWR NA0010 44 t 2012 21 DWR ID

Action/Comments

Inspector Comments: No visible corrosion.

No Photos

Issue No. Rating ** LM Start 0.00 22 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Monolith Joints 37.201538° 37.201538 ° Item -120.694813 ° -120.694813 ° DWR_NA0010_44_t _ 2012_22 DWR ID Action/Comments

Inspector Comments: No visible joint deterioration identified.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Safety			37.20153	8 °	37.201538°	
пеш					3°	-120.694813 °	
DWR ID DWR_NA0010_44_t _ 2012_23							
Action/Comments							

Inspector Comments: No safety hazards identified.

No Photos

Rating ** Issue No. LM Start 0.00 Α 24 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Operation & Maintenance 37.201538° 37.201538° Item Manual -120.694813° -120.694813 ° DWR ID DWR NA0010 44 t 2013 24

Action/Comments

Inspector Comments: The O&M manual is on file in the office.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Mariposa Bypass Drop Structure	

Structure Rating	Α
Date of Inspection	7/30/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ма	Location *			
Category		s & Concrete I	_ined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Photo Documentation			37.201796°		37.201796	0
пеш				-120.7552	62 °	-120.755262	0
DWR ID	R ID DWR_NA0010_31_t _ 2012_1						
Action/Comments							

Inspector Comments: Structure appears to be maintained and able to perform as intended.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of downstream side of structure. (2019)

Photo 2 of 4: ST_2019_NA0010_31_1_20190806_00008.jpg



View of right wing wall. (2019)

1 (cont)	Photo 3 of 4: ST_2019_NA0010_31_1_20190806_00012.jpg
. (00)	1 110to 0 01 1 : 01_2010_11/10010_01_1_1_20100000_00012.jpg



View of left wing wall. (2019)

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

Rating **

Issue Type +

0.00

0.00

LM Start

LM End

Issue No.

Location *

Ма

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Photo Documentation			37.2017	96°	37.201796°	
пеш				-120.7552	62 °	-120.755262 °	
DWR ID	WR ID DWR_NA0010_31_t _ 2012_1						
Action/Comments							

Inspector Comments: Structure appears to be maintained and able to perform as intended.



Looking southeast at the downstream side of the structure. (2017)

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels					End	
ltom	Vegetation & Obstructions			37.2017	96°	37.201796°	
пеш				-120.755262 °		-120.755262 °	
DWR ID	DWR_NA0	010_31_t _ 201	2_2				

Action/Comments

Inspector Comments: No vegetation or obstructions near the structure that would impede the flow.

Nο	Photos
INO	L HOTO2

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Shoaling / Sedimentation			37.2017	'96 °	37.201796	۰	
пеш				-120.7552	62°	-120.755262	0	
DWR ID	DWR_NA0	010_31_t _ 201	2_3					
	Action/Comments							

Action/Comments

Inspector Comments: No sedimentation build-up or shoaling near the structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Erosion / Bank Caving			37.20179	6°	37.201796°	
пеш				-120.75526	2 °	-120.755262 °	
DWR ID	DWR_NA0010_31_t _ 2012_4						
Action/Comments							

Inspector Comments: No erosion near the structure.

No Photos

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Revetments 37.201796° 37.201796° Item -120.755262° -120.755262 ° DWR NA0010 31 t 2012 5 DWR ID

Action/Comments

Inspector Comments: Revetment appears to be in good condition.

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Encroachments 37.201796° 37.201796 ° Item -120.755262 ° -120.755262 ° DWR_NA0010_31_t _ 2012_6 DWR ID Action/Comments

Inspector Comments: No visible encroachments near the structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	7		
LM End	0.00	Issue Type +	Ма	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Culverts:	Inlets / Outlets	3	37.20179	6°	37.201796°	
пеш				-120.75526	2 °	-120.755262 °	
DWR ID	DWR_NA0	2_7					
Action/Comments							

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Breaks / Holes / 37.201796° 37.201796° Item Cracks -120.755262° -120.755262 ° DWR_NA0010_31_t _ 2012_8 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Metal Pipes 37.201796° 37.201796 ° Item -120.755262° -120.755262 ° DWR ID DWR_NA0010_31_t _ 2012_9 Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	10	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Trash Rad	Trash Racks			6°	37.201796°
пеш				-120.75526	2 °	-120.755262 °
DWR ID	DWR_NA0010_31_t _ 2012_10					
Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 11 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Flap Gates 37.201796° 37.201796° Item -120.755262° -120.755262 ° DWR NA0010 31 t 2012 11 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 12 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Sluice/Slide Gates 37.201796° 37.201796 ° Item -120.755262 ° -120.755262 ° DWR ID DWR_NA0010_31_t _ 2012_12 Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Electric G	ate Operators	3	37.2017	96°	37.201796°	
пеш				-120.7552	62 °	-120.755262 °	
DWR ID	DWR_NA0	DWR_NA0010_31_t _ 2012_13					
Action/Comments							

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	tituc	le/Longitude		
Calegory	Channels			Start		End	
Item	Manual G	ate Operators	i	37.20179	96°	37.201796	0
пеш				-120.75526	32 °	-120.755262	0
DWR ID	DWR_NA0010_31_t _ 2012_14						
Action/Comments							

No Photos

No Photos

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Concrete	Surfaces		37.2017	96°	37.201796°	
пеш				-120.7552	62 °	-120.755262 °	
DWR ID	DWR_NA0010_31_t _ 2012_15					·	
Action/Comments							

No Photos

Inspector Comments: No visible damage to concrete surface.

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete	Tilting / Settle	ment	37.2017	96°	37.201796	0
пеш				-120.7552	62 °	-120.755262	0
DWR ID	DWR_NA0	010_31_t _ 201	2_16				
Action/Comments							

Inspector Comments: No tilting/settlement identified.

No Photos

Issue No. LM Start 0.00 Rating ** Α 17 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Foundations 37.201796° 37.201796° Item -120.755262° -120.755262 ° DWR ID DWR NA0010 31 t 2012 17

Action/Comments

Inspector Comments: No visible undermining near the structure.

No Photos

Issue No. Rating ** LM Start 0.00 18 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Security Fencing 37.201796° 37.201796 ° Item -120.755262 ° -120.755262 ° DWR ID DWR_NA0010_31_t _ 2012_18 Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Closure S	tructures		37.20179	6°	37.201796°	
пеш				-120.75526	2°	-120.755262 °	
DWR ID	DWR_NA0010_31_t _ 2012_19						
Action/Comments							

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.	20				
LM End	0.00	Issue Type +	Ma	Location *					
Category	- 11 - 1 - 1 - 1	& Concrete I	_ined	GPS La	atitud	le/Longitude			
	Channels	Start		End					
Item	Trash Ral	ces		37.2017	96°	37.201796	0		
item				-120.7552	62 °	-120.755262	0		
DWR ID	DWR_NA0	010_31_t _ 201	2_20						
Action/Comments									

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating ""	N	issue ivo.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels					End	
Item	Other Metallic Items			37.2017	96°	37.201796°	
пеш				-120.7552	62°	-120.755262 °	
DWR ID DWR_NA0010_31_t _ 2012_21							
Action/Comments							

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
ltom	Monolith Joints		37.201796°		37.201796°	
пеш	Item			-120.7552	62 °	-120.755262 °
DWR ID	DWR_NA0010_31_t _ 2012_22					
Action/Comments						

Inspector Comments: Joint gaskets are deteriorating and need to be repaired.

LM Start	0.00	Rating **	М	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of left wing wall with deteriorated joint. (2019)

Photo 2 of 3: ST_2019_NA0010_31_22_20190613_00005.jpg



View of right sidewall joint deterioration. (2017)

LM Start	0.00	Rating **	М	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at right wing wall with missing rubber gasket in joint. (2016)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Mariposa Bypass Drop Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	Channels				End	
Item	Safety	Safety		37.20179	96°	37.201796°	
пеш					62 °	-120.755262 °	
DWR ID	DWR_NA0010_31_t _ 2012_23						
Action/Comments							

Inspector Comments: No visible safety hazards.

No Photos

Rating ** Issue No. LM Start 0.00 Α 24 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Operation & Maintenance 37.201796° 37.201796° Item Manual -120.755262° -120.755262 ° DWR ID DWR_NA0010_31_t _ 2013_24

Action/Comments

Inspector Comments: The O&M manual is on file in the office.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure				
Owens Creek Control Structure				

Structure Rating	М
Date of Inspection	7/30/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Cotogony	Structures & Concrete Lined			GPS Latitude/Longitude		
Category Channels			Start		End	
Item	Photo Documentation - DWR_NA0010_49_t _ 2018_1			37.21963	7°	37.219637°
item				-120.69801	8°	-120.698018 °
DWR ID						·
Action/Comments						

Inspector Comments: The control structure has structural defects at multiple locations. The LMA appears to have stabalized the strucure with external steel reinforcements (see photos throughout).

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of inlet side of the structure. (2019)

Photo 2 of 3: ST_2019_NA0010_49_1_20190613_00002.jpg



View of outlet side of the structure. (2018)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at (overview) top of structure. (2016)

Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

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Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitud			
Calegory	Channels			Start		End
Item	Vegetatio	n & Obstruction	ons	37.21963	7°	37.219637 °
item				-120.69801	8°	-120.698018 °
DWR ID	DWR_NA0	DWR_NA0010_49_t _ 2012_2				
			_			

Action/Comments

Inspector Comments: No visible vegetation or obstructions identified.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *				
Category		& Concrete I	_ined	GPS Latitude/Longitude				
Calegory	Channels			Start		End		
Item	Shoaling / Sedimentation			37.2196	37°	37.219637	0	
item				-120.6980 ⁻	18°	-120.698018	0	
DWR ID	DWR_NA0	010_49_t _ 201	2_3					
			_					

Action/Comments

Inspector Comments: No sedimentation or shoaling visible.

No Photos

LM Start	0.00 Rating ** M		Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels			Start		End
Item	Erosion / Bank Caving			37.21963	37°	37.219637°
пеш				-120.69801	8 °	-120.698018 °
DWR ID	DWR_NA0010_49_t _ 2012_4					

Action/Comments Inspector Comments: LMA brought in fill material to backfill holes and erosion sites. Minor erosion around the left inlet headwall.

Photo 1 of 3: ST_2019_NA0010_49_4_20190802_00026.jpg



View of left headwall, possible erosion on landside of wall. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Page 3 of 12

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00 Rating ** M Issue No. 4 (co				4 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Erosion /	Bank Caving		37.2196	37°	37.219637°	
пеш				-120.698018 °		-120.698018 °	
DWR ID	D DWR_NA0010_49_t _ 2012_4					·	
	Action/Comments						

Action/Comments

Inspector Comments: LMA brought in fill material to backfill holes and erosion sites. Minor erosion around the left inlet headwall.

LM Start	0.00	Rating **	М	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at braces on left headwall. (2018)

Photo 3 of 3: ST_2019_NA0010_49_4_20190613_00005.jpg



Looking at the left headwall, possible erosion around the landside of the structure. (2017)

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Revetmer	nts		37.21963	87 °	37.219637	c
item				-120.69801	8 °	-120.698018	c
DWR ID	DWR_NA0	010_49_t _ 201	2_5				
		A 4:	_				

Action/Comments

Inspector Comments: Revetment appears to be properly maintained.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	6	
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Encroach	ments		37.21963	7°	37.219637 °
пеш				-120.69801	8 °	-120.698018 °
DWR ID	DWR_NA0	010_49_t _ 201	2_6			
			_			

Action/Comments

Inspector Comments: No encroachments visible.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels			GPS Latitude/Longitude				
Calegory	Channels	Start		End			
Culverts: Inlets / Outlets			37.2196	37°	37.219637	0	
iteiii				-120.6980	18°	-120.698018	0
DWR ID	DWR_NA0						

Action/Comments

Inspector Comments: No visible debris blocking the culverts.



View of outlet side of culvert. (2019)

LM Start	0.00	Rating **	Α	Issue No.		8			
LM End	0.00	Issue Type +	Ma	Location *					
Category		s & Concrete I	Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels			Start		End			
Item	Culverts: Breaks / Holes / Cracks		37.2196	37°	37.219637	0			
пеш			-120.6980	18°	-120.698018	0			
DWR ID	DWR ID DWR_NA0010_49_t _ 2017_8								
	Action/Comments								

Action/Comments

Inspector Comments: No visible damage to culverts.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

N: Not Inspected/Rated M: Minimally Acceptable C : Corrected A/W : Acceptable but Monitor & Maintain U : Unacceptable

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	9			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Category	Channels			Start		End		
Item	Metal Pipes			37.21963	87°	37.219637 °		
пеш				-120.69801	8 °	-120.698018 °		
DWR ID	VR ID DWR_NA0010_49_t _ 2012_9							
Action/Comments								

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 10 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 37.219637° 37.219637° Item -120.698018 ° -120.698018 ° DWR NA0010 49 t 2012 10 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Flap Gates 37.219637° 37.219637 ° Item -120.698018 ° -120.698018 ° DWR_NA0010_49_t _ 2012_11 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Itom	Item Sluice/Slide Gates			37.21963	37°	37.219637 °	
пеш				-120.6980°	8 °	-120.698018 °	
DWR ID	DWR_NA0	VR_NA0010_49_t _ 2012_12					
Action/Comments							

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 13 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 37.219637° 37.219637° Item -120.698018 ° -120.698018 ° DWR NA0010 49 t 2012 13 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 14 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 37.219637° 37.219637 ° Item -120.698018 ° -120.698018 ° DWR_NA0010_49_t _ 2012_14 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

A : Acceptable

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Catagory		& Concrete I	_ined	GPS La	atitud	le/Longitude	
Category Channels			Start		End		
Item	Concrete Surfaces			37.2196	37°	37.219637	0
пеш				-120.698018 °		-120.698018	0
DWR ID	R ID DWR_NA0010_49_t _ 2012_15						
Action/Comments							

Inspector Comments: Small cracking on left and right wing walls. LMA installed metal braces to stabilize the wing walls on the upstream and downstream sides of the structure.

Photo 1 of 4 : ST_2019_NA0010_49_15_201	90805 00028.ipa
	17 30 3039

Looking at small crack on right wing wall on downstream side of structure. (2019)

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4: ST_2019_NA0010_49_15_20190805_00029.jpg



Looking at crack on left wing wall on downstream side of structure. (2019)

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





Cracking on the right headwall of the structure. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.	15 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Concrete Surfaces			37.2196	37°	37.219637°	
пеш				-120.6980	18 °	-120.698018 °	
DWR ID DWR_NA0010_49_t _ 2012_15							
Action/Comments							

Inspector Comments: Small cracking on left and right wing walls. LMA installed metal braces to stabilize the wing walls on the upstream and downstream sides of the structure.

Photo 4 of 4 : ST_2019_NA0010_49_15_20190805_00031.jpg



Cracking on the left headwall of the structure. (2019)

LM Start	0.00	Rating **	М	Issue No.		16
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Concrete	Tilting / Settle	ment	37.2196	37°	37.219637°
пеш				-120.6980	18°	-120.698018 °
DWR ID	DWR_NA0	010_49_t _ 201	2_16			

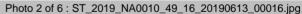
Action/Comments

Inspector Comments: Concrete tilting/settlement on upstream and downstream left wing walls has been stabilized by the LMA. Tilting is still visible but installed braces appear to be stabilizing the wingwalls.



Looking at brace on left wing wall on downstream side of structure. (2018)

LM Start	0.00	Rating **	М	Issue No.	16 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





Looking at brace on left wing wall on downstream side of structure.

Summer 2012

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.	16 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Concrete	Tilting / Settle	ment	37.2196	37°	37.219637°
item				-120.6980	18 °	-120.698018 °
DWR ID	ID DWR_NA0010_49_t _ 2012_16					
Action/Comments						

Inspector Comments: Concrete tilting/settlement on upstream and downstream left wing walls has been stabilized by the LMA. Tilting is still visible but installed braces appear to be stabilizing the wingwalls.

LM Start	0.00	Rating **	М	Issue No.	16 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



Looking at braces on downstream right wing wall. (2018)

Photo 4 of 6: ST_2019_NA0010_49_16_20190613_00018.jpg



Looking at upstream left wing wall. (2018)

LM Start	0.00	Rating **	М	Issue No.	16 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





Left wingwall tilting with braces in place. (2017)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En : Enforcement

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.	16 (cont)	
LM End	0.00	Issue Type +	Ма	Location *		
Catagony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Concrete	Tilting / Settle	ment	37.2196	37°	37.219637°
пеш					18°	-120.698018 °
DWR ID	DWR_NA0010_49_t _ 2012_16					
Action/Comments						

Inspector Comments: Concrete tilting/settlement on upstream and downstream left wing walls has been stabilized by the LMA. Tilting is still visible but installed braces appear to be stabilizing the wingwalls.

Photo 6 of 6: ST_2019_NA0010_49_16_20190613_00020.jpg



Looking at repaired left wing wall on downstream side of structure. Summer 2012

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category Channels			Start		End
Item	Concrete Foundations			37.21963	37°	37.219637°
пеш				-120.69801	8 °	-120.698018 °
DWR ID	DWR_NA0	010_49_t _ 201	2_17			

Action/Comments

Inspector Comments: No visible undermining along the structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	itud	e/Longitude		
Category Channels		Start		End			
Item	Security F	encing		37.21963	7°	37.219637	0
пеш	em			-120.69801	8 °	-120.698018	0
DWR ID	DWR ID DWR_NA0010_49_t _ 2012_18						
Action/Comments							

Inspector Comments: Item does not exist on this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	19	
LM End	0.00	Issue Type +	Ма	Location *		
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitud		
Calegory	Category Channels		Start		End	
Item	Closure S	tructures		37.21963	7 °	37.219637 °
пеш	item		-120.69801	8 °	-120.698018 °	
DWR ID	DWR_NA0	010_49_t _ 201	2_19			
A :: 10						

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 20 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Rakes 37.219637° 37.219637° Item -120.698018 ° -120.698018 ° DWR NA0010 49 t 2012 20 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 21 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 37.219637° 37.219637 ° Item -120.698018 ° -120.698018 ° DWR_NA0010_49_t _ 2012_21 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Control Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item	. Monolith Joints			37.219637°		37.219637 °	
пеш	item			-120.69801	8 °	-120.698018 °	
DWR ID DWR_NA0010_49_t _ 2012_22							
Action/Comments							

Inspector Comments: No visible issues identified with joints.

No Photos

Rating ** Issue No. LM Start 0.00 Α 23 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Safety 37.219637° 37.219637° Item -120.698018 ° -120.698018 ° DWR NA0010 49 t 2012 23 DWR ID

Action/Comments

Inspector Comments: No visible safety hazards.

No Photos

Issue No. Rating ** LM Start 0.00 24 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Operation & Maintenance 37.219637° 37.219637 ° Item Manual -120.698018 ° -120.698018 ° DWR_NA0010_49_t _ 2013_24 DWR ID Action/Comments

Inspector Comments: The manual is on file in the office.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Owens Creek Overflow Structure	

Structure Rating	Α
Date of Inspection	7/30/2019
DWR Inspector	Corey Fujitani
Accompanied By	

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

	Structure	Structure Length	Inspection Start/End	Inspector
O	wens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude	
			Start		End	
ltem	ltem Photo Documentation			37.2057	87°	37.205787 °
пеш				-120.696838 °		-120.696838°
DWR ID DWR_NA0010_50_t _ 2012_1						
		Action/	Comme	nts		

	I				
	475		X .		
		Cat S &		T Chi	
. 3.	3.1				
danka e					
			***	- 100 Apr 30	19:
建立。地位		A STATE OF THE STA		ALTERNATION OF THE PARTY OF THE	

Photo 1 of 3: ST_2019_NA0010_50_1_20190805_00010.jpg

View of upstream side of the structure. (2019)

 LM Start
 0.00
 Rating **
 N
 Issue No.
 1 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *

Photo 2 of 3: ST_2019_NA0010_50_1_20190805_00011.jpg



View of downstream side of the structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking at upstream side of structure. (2015)

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
ltom	Vegetation & Obstructions			37.205787°		37.205787	0
пеш	Item			-120.6968	38°	-120.696838	0
DWR ID	DWR_NA0	010_50_t _ 201	2_2				
Action/Comments							

Inspector Comments: No vegetation issues identified.

No Photos

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Shoaling / Sedimentation 37.205787° 37.205787° Item -120.696838 ° -120.696838 ° DWR_NA0010_50_t _ 2012_3 DWR ID

Action/Comments

Inspector Comments: No sedimentation or shoaling identified near the structure.

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Erosion / Bank Caving 37.205787° 37.205787 Item -120.696838 ° -120.696838 ° DWR_NA0010_50_t _ 2012_4 DWR ID Action/Comments

Inspector Comments: No erosion was identified near the structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	5	
LM End	0.00	Issue Type +	Ма	Location *		
Cotogony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category Channels		Start		End	
ltom	ltem Revetments			37.20578	7 °	37.205787 °
пеш				-120.696838	3°	-120.696838 °
DWR ID	DWR_NA0	010_50_t _ 201	2_5			
Action/Comments						

Action/Comments

Inspector Comments: Revetment appears to be in adequate condition.

No Photos

Rating ** Issue No. LM Start 0.00 Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Encroachments 37.205787° 37.205787° Item -120.696838 ° -120.696838 ° DWR ID DWR_NA0010_50_t _ 2012_6

Action/Comments

Inspector Comments: No encroachments near the structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Culverts:	Inlets / Outlets	5	37.2057	87°	37.205787°
пеш				-120.6968	38°	-120.696838 °
DWR ID	DWR ID DWR_NA0010_50_t _ 2012_7					
Action/Comments						

Photo 1 of 1: ST_2019_NA0010_50_7_20190805_00012.jpg



Looking at the outlet of the structure. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels	Start				End	
Item		Breaks / Hole	s/	37.2057	87°	37.205787	0
пеш	Cracks			-120.6968	38°	-120.696838	0
DWR ID DWR_NA0010_50_t _ 2012_8							
	Action/Comments						

Inspector Comments: No visible damage to culverts.

No Photos

Issue No. LM Start 0.00 Rating ** Ν Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Metal Pipes 37.205787° 37.205787° Item -120.696838 ° -120.696838 ° DWR NA0010 50 t 2012 9 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 10 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Racks 37.205787° 37.205787 Item -120.696838° -120.696838 ° DWR_NA0010_50_t _ 2012_10 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS: Land Side WS: Water Side CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels	hannels Start			End		
Item	Flap Gate	s		37.2057	87°	37.205787	0
пеш				-120.6968	38°	-120.696838	0
DWR ID DWR_NA0010_50_t _ 2012_11							
	Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Sluice/Slic	de Gates		37.2057	87°	37.205787°
пеш				-120.6968	38°	-120.696838 °
DWR ID	DWR_NA0	010_50_t _ 201	2_12			

Action/Comments

Inspector Comments: No visible damage to slide gates identified. Previously identified rust and corrosion on the gates and bolts was not visible due to the current water level.

Photo 1 of 1: ST_2019_NA0010_50_12_20190613_00005.jpg



Looking at corrison on slide gates on upstream side of structure. (2015)

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item	Electric G	ate Operators	1	37.20578	7°	37.205787°	
пеш				-120.69683	8°	-120.696838 °	
DWR ID	DWR_NA0	R_NA0010_50_t _ 2012_13					
	Action/Comments						

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		14
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Manual G	ate Operators	1	37.2057	87°	37.205787°
item				-120.6968	38°	-120.696838 °
DWR ID	DWR ID DWR_NA0010_50_t _ 2012_14					
Action/Comments						

Inspector Comments: Manual gates were in good working condition.



Typical view of manual gate control. (2019)

 LM Start
 0.00
 Rating **
 A
 Issue No.
 14 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *

Photo 2 of 2: ST_2019_NA0010_50_14_20190613_00006.jpg



View of the manual gate controls. (2018)

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Concrete	Surfaces		37.2057	87°	37.205787°
пеш				-120.6968	38°	-120.696838 °
DWR ID DWR_NA0010_50_t _ 2012_15						
	Action/Comments					

Inspector Comments: Small crack was found on headwall, but the structure is not threatened.



Small cracking on the headwall. (2018)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		15 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Concrete	Surfaces		37.2057	87°	37.205787°
пеш			-120.6968	38°	-120.696838 °	
DWR ID DWR_NA0010_50_t _ 2012_15						
Action/Comments						

Inspector Comments: Small crack was found on headwall, but the structure is not threatened.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Another view of the cracking on the headwall. (2018)

Photo 3 of 3: ST_2019_NA0010_50_15_20190613_00009.jpg



Looking at cracks on headwall. (2017)

LM Start	0.00	Rating **	А	Issue No.	16				
LM End	0.00	Issue Type +	Ма	Location *					
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude					
				Start		End			
Item	Concrete Tilting / Settlement			37.2057	87°	37.205787			
				-120.6968	38°	-120.696838			
DWR ID	DWR_NA0010_50_t _ 2012_16								
Action/Comments									
Inspector (Comments	: No visible m	ovemen	t.					

No Photos

A : Acceptable
M : Minimally Acceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Concrete Foundations		37.20578	7°	37.205787°		
пеш				-120.69683	8°	-120.696838 °	
DWR ID	DWR_NA0010_50_t _ 2012_17						
Action/Comments							

Inspector Comments: No visible undermining along the structure.

Issue No. LM Start 0.00 Rating ** Ν 18 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Security Fencing 37.205787° 37.205787° Item -120.696838 ° -120.696838 ° DWR_NA0010_50_t _ 2012_18 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 19 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Closure Structures 37.205787° 37.205787 Item -120.696838 ° -120.696838 ° DWR ID DWR_NA0010_50_t _ 2012_19 Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		20
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined			GPS Lat	itud	e/Longitude
Calegory	Channels			Start		End
Item	Trash Ral	Trash Rakes			7 °	37.205787 °
пеш				-120.69683	3°	-120.696838 °
DWR ID	WR ID DWR_NA0010_50_t _ 2012_20					
A ation/Commonts						

Action/Comments

Inspector Comments: Item does not exist on this structure.

Rating ** Issue No. LM Start 0.00 Α 21 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Other Metallic Items 37.205787° 37.205787° Item -120.696838 ° -120.696838 ° DWR ID DWR_NA0010_50_t _ 2012_21 Action/Comments

Inspector Comments: No visible corrosion.

LM Start	0.00	Rating **	N	Issue No.	22	
LM End	0.00	Issue Type +	Ма	Location *		
Catagony	Structures & Concrete Lined Channels			GPS La	le/Longitude	
Calegory				Start		End
Item	Monolith Joints		37.2057	87°	37.205787°	
пеш				-120.6968	38°	-120.696838 °
DWR ID	DWR ID DWR_NA0010_50_t _ 2012_22					
Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Overflow Structure		07/30/2019 07/30/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	23		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Safety		37.20578	7°	37.205787 °		
пеш				-120.69683	8°	-120.696838 °	
DWR ID	ID DWR_NA0010_50_t _ 2012_23						
Action/Comments							

Inspector Comments: No visible hazards.

No Photos

Rating ** Issue No. LM Start 0.00 Α 24 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Operation & Maintenance 37.205787° 37.205787° Item Manual -120.696838 ° -120.696838° DWR ID DWR_NA0010_50_t _ 2013_24 Action/Comments

Inspector Comments: The O&M manual is on file in the office.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
San Joaquin River Bypass Control Structure	

Structure Rating	Α
Date of Inspection	7/31/2019
DWR Inspector	Corey Fujitani
Accompanied By	

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	Channels				End
Item	Photo Do	Photo Documentation			92°	36.773292°
пеш					06°	-120.285206 °
DWR ID	DWR_NA0010_64_t _ 2017_1					
Action/Comments						

Inspector Comments: Structure appears to be properly maintained.

h۲	oto 1 of 3 : S1_20	19_NA0010_64_1_201	90806_00009.jp
		1	-
	W. N. W. W. W.		
		Manual Manual Francis	
			\$ 1 300 (m)
			A CONTRACT
	T.		
			07 31 2019
			A COL

View of upstream side of the structure. (2019)

 LM Start
 0.00
 Rating **
 N
 Issue No.
 1 (cont)

 LM End
 0.00
 Issue Type +
 Ma
 Location *

Photo 2 of 3: ST_2019_NA0010_64_1_20190806_00010.jpg



View of downstream side of the structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of top of the structure from right bank. (2019)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainte

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels	Channels				End
Item	Vegetatio	n & Obstruction	ons	36.7732	92°	36.773292 °
item				-120.2852	06°	-120.285206 °
DWR ID DWR_NA0010_64_t _ 2017_2						
	Action/Comments					

Inspector Comments: Vegetation debris located on the inlet side of the structure at the trash racks needs to be removed.

Photo 1 of 1 : ST_2019_NA0010_64_2_20190806_00012.jpg

Debris caught on trash racks of the structure. (2019)

LM Start	0.00	Rating **	М	Issue No.		3
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Shoaling /	Sedimentation	n	36.7732	92°	36.773292°
пеш				-120.2852	06°	-120.285206°
DWR ID	DWR_NA0	010_64_t _ 201	7_3		·	

Action/Comments

Inspector Comments: There is shoaling just upstream of the structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	_ined	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Erosion /	Bank Caving		36.77329	2°	36.773292	0
item			-120.28520	6°	-120.285206	0	
DWR ID	DWR_NA0	010_64_t _ 201	7_4				

Action/Comments
Inspector Comments: No erosion or bank caving identified.

No Photos

Page 2 of 10

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	5							
LM End	0.00	Issue Type +	Ма	Location *								
Category	Structures & Concrete Lined			GPS Latitude/Longitude								
Calegory	Channels			Start		End						
Item	Revetmer	nts		36.773292	°	36.773292 °						
пеш				-120.285206	°	-120.285206 °						
DWR ID	DWR_NA0	010_64_t _ 201	7_5									
		A - C /	<u> </u>	- 4 -		A = 1' = = 10 = = = = = 1 =						

Action/Comments

Inspector Comments: Existing riprap appears to be in good condition.

No Photos

No Photos

LM Start	0.00	Rating **	Α	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Encroach	ments		36.7732	92°	36.773292°
пеш				-120.2852	06°	-120.285206 °
DWR ID	DWR_NA0	010_64_t _ 201	7_6			·

Action/Comments

Inspector Comments: No encroachments visible near the structure.

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete I	GPS La	atitud	le/Longitude			
Calegory	Channels			Start		End	
Item	Culverts:	Inlets / Outlets	3	36.7732	92°	36.773292 °	
item		-120.285206 °					
DWR ID DWR_NA0010_64_t _ 2017_7							
Action/Comments							

Inspector Comments: Inlets and outlets are free from obstructions.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	8		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels	Channels				End	
Item		Breaks / Hole	s/	36.7732	92 °	36.773292°	
пеш	Cracks					-120.285206 °	
DWR ID	DWR_NA0	A0010_64_t _ 2017_8					
	Action/Comments						

Inspector Comments: No visible signs of damage in the structure.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Metal Pipes 36.773292° 36.773292° Item -120.285206 ° -120.285206 ° DWR ID DWR NA0010 64 t 2017 9

Action/Comments

Inspector Comments: No metal pipes on this structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		10
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	Channels				End
Item	Trash Rad	cks		36.7732	92 °	36.773292°
пеш			-120.2852	06°	-120.285206 °	
DWR ID	DWR ID DWR_NA0010_64_t _ 2017_10					
		A ation/	Camma	n+0		

Action/Comments Inspector Comments: Trash racks appear to be in good condition.

Photo 1 of 1: ST_2019_NA0010_64_10_20190806_00013.jpg

View of trash racks. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		11
LM End	0.00	Issue Type +	Ма	Location *		
Category	GPS Latitude/Longitude					
Calegory	Channels	Channels				End
Item	Flap Gate	S		36.77329	2°	36.773292
пеш				-120.28520	6°	-120.285206
DWR ID	DWR_NA0	010_64_t _ 201	7_11			
		A -4: /	C	-1-		

Action/Comments

Inspector Comments: This structure does not have flap gates.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels		Start		End		
ltom	Item Sluice/Slide Gates			36.7732	92°	36.773292°	
item				-120.2852	06 °	-120.285206°	
DWR ID	DWR_NA0	010_64_t _ 201	7_12			·	

Action/Comments

Inspector Comments: Gates are in good working condition.

1111
07 31 2019

Photo 1 of 2: ST_2019_NA0010_64_12_20190806_00014.jpg

Typical view of gates. (2019)

Rating ** Issue No. 0.00 12 (cont) LM Start 0.00 Issue Type + Location * Ма LM End

Photo 2 of 2: ST_2019_NA0010_64_12_20190613_00006.jpg



View of the gates. (2018)

Location LS: Land Side WS: Water Side CR : Crown

Rating

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels				Start		End	
Item	Electric G	ate Operators	;	36.7732	92°	36.773292°	
пеш			-120.285206 °		-120.285206°		
DWR ID	ID DWR_NA0010_64_t _ 2017_13						
	Action/Comments						

Inspector Comments: Electric gate operators appear to be in good working condition.

LM Start	0.00	Rating **	Α	Issue No.	13 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Representative view of electric gate controls. (2019)

Photo 2 of 2: ST_2019_NA0010_64_13_20190613_00008.jpg



View of electric gate operators. (2018)

LM Start	0.00	Rating **	N	Issue No.		14
LM End	0.00	Issue Type +	Ма	Location *		
Catagony		& Concrete I	_ined	GPS La	atitud	le/Longitude
Category Channe				Start		End
Manual Gate Operators				36.773292°		36.773292 °
пеш			-120.2852	° 800	-120.285206 °	
DWR ID	DWR_NA0	010_64_t _ 201	7_14			
		Action/	Comme	nts		
Inspector (structure.	Comments	: Manual gate	operato	rs do not e	xist (on this

No Photos

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels	Start		End			
Item	Concrete	Surfaces		36.77329	2°	36.773292	0
пеш				-120.28520	6°	-120.285206	0
DWR ID	DWR_NA0	010_64_t _ 201	7_15				
		A ation/	Camma	nto			

Action/Comments

Inspector Comments: No visible signs of damage to concrete surfaces.

LM Start	0.00	Rating **	Α	Issue No.		16		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Channels	Start		End				
Item	Concrete Tilting / Settlement		36.77329	2°	36.773292	0		
item				-120.28520	6°	-120.285206	0	
DWR ID	DWR_NA0	010_64_t _ 201	7_16					

Action/Comments

Inspector Comments: No visible signs of tilting/settlement of the structure.

LM Start	0.00	Rating **	Α	Issue No.		17		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS La	tituc	le/Longitude		
Category				Start		End		
Item	Concrete	Foundations		36.77329)2°	36.773292°		
пеш				-120.28520)6 °	-120.285206°		
DWR ID	DWR_NA0010_64_t _ 2017_17							
Action/Comments								

Inspector Comments: No visible signs of undermining at the structure.

No Photos

No Photos

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Structures & Concrete Lined Channels		GPS Latitude/Longitude				
Calegory			Start		End		
Item	Security Fencing		36.7732	92°	36.773292	0	
Item			-120.2852	06°	-120.285206	0	
DWR ID	DWR_NA0	010_64_t _ 201	7_18				
			_				

Action/Comments

Inspector Comments: Safety and security fencing is in good condition and adequate for structure.

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels		GPS Latitude/Longitude					
				Start		End	
Item	Closure Structures			36.7732	92°	36.773292	0
item				-120.2852	06°	-120.285206	0
DWR ID	DWR_NA0	010_64_t _ 201	7_19				
			_				

Action/Comments

Inspector Comments: There are no closure structures at this site.

No Photos

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels		Start		End	
Item	Trash Rakes		36.7732	92°	36.773292°	
item			-120.2852	06°	-120.285206°	
DWR ID DWR_NA0010_64_t _ 2017_20						
Action/Comments						

Inspector Comments: This structure does not have trash rakes.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	21	
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined		GPS Latitude/Longitude				
Category	Channels		Start		End	
Item	Other Metallic Items		36.773292°		36.773292 °	
пеш	n			-120.28520	6°	-120.285206 °
DWR ID	DWR_NA0	010_64_t _ 201	7_21			
Action/Comments						

Inspector Comments: No visible corrosion present.

No Photos

Issue No. LM Start 0.00 Rating ** Α 22 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 36.773292° 36.773292° Item -120.285206 ° -120.285206 ° DWR ID DWR NA0010 64 t 2017 22 Action/Comments

Inspector Comments: All joints appear to be in good condition.

No Photos

Issue No. Rating ** LM Start 0.00 23 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 36.773292° 36.773292 ° Item -120.285206° -120.285206 ° DWR_NA0010_64_t _ 2017 23 DWR ID Action/Comments

Inspector Comments: No visible signs of safety issues identified.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Bypass Control Structure		07/31/2019 07/31/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined		GPS La	atitud	le/Longitude		
Category	Channels	Channels		Start		End
Item		Operation & Maintenance		36.7732	92°	36.773292°
пеш	Manual		-120.2852	06°	-120.285206 °	
DWR ID	DWR_NA0	010_64_t _ 201	7_24			
		Action/	Comme	nts		
Inspector	Comments	: The manual	is on file	in the offic	e.	

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
San Joaquin River Struc	ure

Structure Rating	M
Date of Inspection	8/1/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Category	Channels			Start		End
Item	Photo Do	cumentation		37.1123	60°	37.112360
пеш				-120.589598 °		-120.589598
DWR ID	DWR_NA0	010_66_t _ 201	7_1			
		Action/	Comme	nts		

Last			
	Obs.		1
- 1 A			
		7/	
		WHA.	
			70 may
有可能 學派		A CONTRACTOR	

Photo 1 of 3: ST_2019_NA0010_66_1_20190808_00017.jpg

View of upstream side of structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
I M End	0.00	Issue Type +	Ма	Location *	

Photo 2 of 3: ST_2019_NA0010_66_1_20190808_00020.jpg



View of downstream side of structure. (2019)

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking northwest at the downstream side. (2017)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement A/W : Acceptable but Monitor & Maintain

NA0010

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.	2	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Vegetatio	n & Obstruction	ons	37.11236	0°	37.112360°
пеш				-120.58959	98°	-120.589598°
DWR ID	DWR_NA0	010_66_t _ 201	7_2			
Action/Comments						

Inspector Comments: Vegetation growing at the downstream side of structure.



Trees growing over the downstream side of the structure. (2019)

LM Start	0.00	Rating **	U	Issue No.		3
LM End	0.00	Issue Type +	Ма	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category Channels		Start		End	
Item	Shoaling /	Sedimentation	n	37.11236	60°	37.112360 °
iteiii				-120.58959	98 °	-120.589598 °
DWR ID	DWR_NA0	010_66_t _ 201	7_3			

Action/Comments

Inspector Comments: Sedimentation blocking inlet and function of slide gates.



Inlet gates buried under sedimentation. (2019)

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	e/Longitude		
Category Channels		Start		End			
ltom	Erosion /	Bank Caving		37.1123	60°	37.112360	٥
Item			-120.5895	98°	-120.589598	0	
DWR ID	DWR_NA0	010_66_t _ 201	7_4				
	Action/Comments						

Inspector Comments: No visible erosion or bank caving identified at the structure.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ма	Location *			
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Revetmer	nts		37.11236	0 °	37.112360 °	
пеш				-120.58959	8 °	-120.589598 °	
DWR ID	DWR_NA0	010_66_t _ 201	7_5				
			_				

Action/Comments

Inspector Comments: Unable to determine if existing revetment is adequate due to heavy vegetation (addressed in issue 2) and sedimentation (addressed in issue 3).

No Photos

Rating ** Issue No. LM Start 0.00 Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Encroachments 37.112360° 37.112360° Item -120.589598° -120.589598 ° DWR_NA0010_66_t _ 2017_6 DWR ID

Action/Comments

Inspector Comments: No enchroachments identified at the structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels Channels			Start		End
Item	Culverts:	Culverts: Inlets / Outlets			60°	37.112360°
item			-120.58959	98 °	-120.589598°	
DWR ID	DWR_NA0	010_66_t _ 201	7_7			

Action/Comments

Inspector Comments: Culverts are in good condition but there is sedimentation built up above the inlets/slide gates see issue 3.

Photo 1 of 2: ST_2019_NA0010_66_7_20190808_00027.jpg



View of culvert outlet. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.		7 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Cotogony	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Culverts:	Inlets / Outlets	3	37.1123	60°	37.112360 °
пеш				-120.5895	98°	-120.589598 °
DWR ID	DWR_NA0010_66_t _ 2017_7					·
		Action/	Comme	nts		

Inspector Comments: Culverts are in good condition but there is sedimentation built up above the inlets/slide gates see issue 3.

Photo 2 of 2 : ST_2019_NA0010_66_7_20190808_00026.jpg

Sedimentation built up above slide gate. (2019)

08 01 2019

							_
LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item		Breaks / Holes	s /	37.1123	60°	37.112360	0
пеш	Cracks			-120.5895	98 °	-120.589598	0
DWR ID	DWR_NA0	010_66_t _ 201	7_8				

Action/Comments

Inspector Comments: No visible issus identified for the culverts.



View of culvert outlets. (2019)

LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Itom	Metal Pipe	es		37.1123	60°	37.112360	0
пеш	ltem '			-120.5895	98°	-120.589598	0
DWR ID	DWR_NA0	010_66_t _ 201					
	Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	Ν	Issue No.	10		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Trash Rad	cks		37.11236	° 08	37.112360°	
item				-120.58959	98°	-120.589598 °	
DWR ID	DWR_NA0010_66_t _ 2017_10						
	Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Flap Gates 37.112360° 37.112360° Item -120.589598 ° -120.589598 ° DWR_NA0010_66_t _ 2017_11 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

LM Start	0.00	Rating **	М	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Sluice/Sli	de Gates		37.1123	60°	37.112360°	
пеш				-120.5895	98 °	-120.589598 °	
DWR ID	DWR_NA0010_66_t _ 2017_12						
	Action/Comments						

Inspector Comments: Sedimentation on the inlet side of the structure impacts the function of slide gates.



View of slide gate with sedimetation. (2019)

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.	12 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item	Sluice/Sli	de Gates		37.11236	0°	37.112360°	
пеш					8 °	-120.589598 °	
DWR ID	DWR_NA0010_66_t _ 2017_12						
	Action/Comments						

Inspector Comments: Sedimentation on the inlet side of the structure impacts the function of slide gates.

Photo 2 of 2: ST_2019_NA0010_66_12_20190613_00014.jpg

View of slide gate with sedimentation. (2017)

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Electric G	ate Operators	;	37.1123	60°	37.112360°
пеш					98 °	-120.589598 °
DWR ID	DWR_NA0010_66_t _ 2017_13					
		Action/	Commo	nte		

Inspector Comments: Item does not exist on this structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Manual G	ate Operators	i	37.1123	60°	37.112360	0
пеш				-120.5895	98 °	-120.589598	0
DWR ID	DWR_NA0010_66_t _ 2017_14						
	Action/Comments						

Inspector Comments: All manual gates operators appear to be in proper working condition. District caps off manual operation stem to secure gates.

Photo 1 of 1 : ST_2019_NA0010_66_14_20190613_00015.jpg



Typical view of the manual gate operators. (2018)

* Location LS : Land Side WS : Water Side CR : Crown

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item	Concrete	Surfaces		37.11236	0°	37.112360 °	
пеш					8 °	-120.589598 °	
DWR ID	DWR_NA0	R_NA0010_66_t _ 2017_15					
	Action/Comments						

Inspector Comments: Damage to the left inlet joint resulting in exposed rebar.



View of cracking at the joint on the left inlet side. (2018)

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels	Channels				End	
Item	Concrete Tilting / Settlement			37.1123	60°	37.112360°	
item			-120.5895	98 °	-120.589598°		
DWR ID DWR_NA0010_66_t _ 2017_16							
Action/Comments							

Inspector Comments: No movement of the structure identified.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Concrete Foundations			37.1123	60°	37.112360 °
пеш			-120.5895	98 °	-120.589598 °	
DWR ID DWR_NA0010_66_t _ 2017_17						
Action/Comments						

Inspector Comments: No visible erosion or undermining identified.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	18				
LM End	0.00	Issue Type +	Ма	Location *					
Cotogoni	Category Structures & Concrete Lined Channels			GPS Latitude/Longitude					
Calegory				Start		End			
Itom	Item Security Fencing			37.11236	o°	37.112360 °			
пеш				-120.58959	3°	-120.589598 °			
DWR ID DWR_NA0010_66_t _ 2017_18									
	A :: 10								

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 19 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Closure Structures 37.112360° 37.112360° Item -120.589598° -120.589598 DWR ID DWR_NA0010_66_t _ 2017_19

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 20 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Rakes 37.112360° 37.112360° Item -120.589598 ° -120.589598 DWR_NA0010_66_t _ 2017_20 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	21			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Calegory	Channels			Start		End		
Item	Other Metallic Items			37.112360	°	37.112360	0	
пеш				-120.589598	3°	-120.589598	0	
DWR ID	WR ID DWR_NA0010_66_t _ 2017_21							
	Action/Commants							

Action/Comments Inspector Comments: No visible corrosion identified. No Photos

Issue No. LM Start 0.00 Rating ** Α 22 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Monolith Joints 37.112360° 37.112360° Item -120.589598 ° -120.589598 ° DWR ID DWR_NA0010_66_t _ 2017_22

Action/Comments

Inspector Comments: No visible issues identified for the joints.

No Photos

Issue No. Rating ** LM Start 0.00 23 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Safety 37.112360° 37.112360° Item -120.589598 ° -120.589598 ° DWR_NA0010_66_t _ 2017_23 DWR ID Action/Comments

Inspector Comments: No safety issues identified.

No Photos

Location LS: Land Side WS: Water Side CR : Crown

A: Acceptable

M: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob: Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
San Joaquin River Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	24	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	atitud	le/Longitude
Category Channels			Start		End	
Operation & Maintenance			37.1123	60°	37.112360°	
пеш	Manual			-120.5895	98 °	-120.589598 °
DWR ID	R ID DWR_NA0010_66_t _ 2017_24					
		Action/	Comme	nts		
Inspector Comments: The manual is on file in the office.						

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2019 Structure Inspection Results

Lower San Joaquin Levee District

Structure	
Sand Slough Structure	

Structure Rating	A
Date of Inspection	8/1/2019
DWR Inspector	Corey Fujitani
Accompanied By	

Page 1 of 9

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ма	Location *		<u> </u>
Structures & Concrete Lined				GPS L	atitud	e/Longitude
Category	Channels	annels				End
ltem Photo Documentation			37.112313°		37.112313 °	
			-120.588458 °		-120.588458 °	
DWR ID	DWR_NA0	010_67_t _ 201	7_1			
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View across structure from right bank. (2019)

Photo 2 of 2: ST_2019_NA0010_67_1_20190613_00001.jpg



Overview of structure looking upstream. (2018)

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Category	Channels			Start		End
Item	Vegetatio	n & Obstruction	ons	37.112313 °		37.112313
item				-120.5884	58°	-120.588458
DWR ID	DWR_NA0	010_67_t _ 201	7_2			
Action/Comments						
Inspector Comments: No visibile vegetation or obstructions identified.						

No Photos

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	3			
LM End	0.00	Issue Type +	Ma	Location *				
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End			
Item	Shoaling /	Shoaling / Sedimentation			3°	37.112313 °		
пеш				-120.588458	3°	-120.588458 °		
DWR ID	DWR_NA0	010_67_t _ 201	7_3					
A :: 10								

Action/Comments

Inspector Comments: No visible sedimentation or shoaling at the structure.

No Photos

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Erosion / Bank Caving 37.112313° 37.112313° Item -120.588458 ° -120.588458 ° DWR NA0010 67 t 2017 4 DWR ID

Action/Comments

Inspector Comments: No visible erosion identified at the structure.

No Photos

Issue No. Rating ** LM Start 0.00 5 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Revetments 37.112313° 37.112313° Item -120.588458 ° -120.588458 DWR_NA0010_67_t _ 2017_5 DWR ID Action/Comments

Inspector Comments: Existing revetment appears to be properly maintained.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Encroach	Encroachments			3°	37.112313 °	
пеш					3°	-120.588458 °	
DWR ID	DWR_NA0	010_67_t _ 201	7_6				
Action/Comments							

Inspector Comments: No visible encroachments identified.

Issue No. LM Start 0.00 Rating ** Ν Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Culverts: Inlets / Outlets 37.112313° 37.112313° Item -120.588458 ° -120.588458

DWR ID DWR_NA0010_67_t _ 2017_7

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 37.112313° 37.112313° Item Cracks -120.588458 ° -120.588458 ° DWR_NA0010_67_t _ 2017_8 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		9		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Category	Channels		Start		End			
Itom	Metal Pipe	es		37.112313°		37.112313	0	
пеш	ltem '			-120.5884	58°	-120.588458	0	
DWR ID	DWR_NA0	010_67_t _ 201	7_9					
Action/Comments								

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 10 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Trash Racks 37.112313° 37.112313° Item -120.588458 ° -120.588458 DWR_NA0010_67_t _ 2017_10 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Flap Gates 37.112313° 37.112313° Item -120.588458 ° -120.588458 ° DWR_NA0010_67_t _ 2017_11 DWR ID Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	12			
LM End	0.00	Issue Type +	Ма	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Channels			Start		End		
Item	Sluice/Sli	de Gates		37.11231	3°	37.112313 °		
пеш				-120.58845	8°	-120.588458 °		
DWR ID	DWR_NA0	010_67_t _ 201	7_12					
Action/Comments								

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 13 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Electric Gate Operators 37.112313° 37.112313° Item -120.588458 ° -120.588458 DWR_NA0010_67_t _ 2017_13 DWR ID

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

Issue No. Rating ** LM Start 0.00 14 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 37.112313° 37.112313° Item -120.588458 ° -120.588458 ° DWR ID DWR_NA0010_67_t _ 2017_14 Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	М	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Concrete	Surfaces		37.1123 ²	13°	37.112313 °	
пеш				-120.5884	58°	-120.588458 °	
DWR ID	DWR_NA0	010_67_t _ 201	7_15				
Action/Comments							

Inspector Comments: Concrete suraces on both outlet walls are damaged with exposed rebar. Damage appears to be from gunshots and should be repaired before further structural damage occurs and exposed rebar poses a safety hazard.

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



Damage to left wall of structure. (2019)

Photo 2 of 3: ST_2019_NA0010_67_15_20190613_00007.jpg



Exposed rebar along Parshall flume wall. (2018)

LM Start	0.00	Rating **	М	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Looking east at the left wall of the structure with exposed rebar. (2017)

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

tain En : Enforcement

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	Α	Issue No.	16			
LM End	0.00	Issue Type +	Ма	Location *				
Category	Structures & Concrete Lined					GPS Latitude/Longitude		
Calegory	Channels			Start		End		
Item	Concrete	Tilting / Settle	ment	37.11231	3°	37.112313 °		
пеш				-120.58845	8°	-120.588458 °		
DWR ID	DWR_NA0010_67_t _ 2017_16							
	Action/Comments							

Inspector Comments: No visible settlement or tilting.

No Photos

Issue No. LM Start 0.00 Rating ** Α 17 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Concrete Foundations 37.112313° 37.112313° Item -120.588458 ° -120.588458 ° DWR ID DWR_NA0010_67_t _ 2017_17

Action/Comments

Inspector Comments: No visible erosion near foundation. Unable to view full area due to water level.

No Photos

Issue No. Rating ** LM Start 0.00 18 0.00 Issue Type + Location * LM End Ma Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Security Fencing 37.112313° 37.112313° Item -120.588458 ° -120.588458 DWR ID DWR_NA0010_67_t _ 2017_18 Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.	19	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Closure S	tructures		37.11231	3°	37.112313 °
пеш				-120.58845	8°	-120.588458 °
DWR ID	DWR_NA0010_67_t _ 2017_19					
Action/Comments						

Inspector Comments: Item does not exist on this structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures	GPS La	le/Longitude				
Calegory	Channels					End	
Item	Trash Rakes			37.11231	3°	37.112313	0
item				-120.58845	8 °	-120.588458	0
DWR ID	DWR_NA0	010_67_t _ 201	7_20				

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	tituc	le/Longitude		
Category	Channels			Start		End	
Item	Other Met	tallic Items		37.11231	3°	37.112313	0
item				-120.58845	8°	-120.588458	0
DWR ID	DWR_NA0010_67_t _ 2017_21						
Action/Comments							

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2019

Lower San Joaquin Levee District

Structure	Structure Length	Inspection Start/End	Inspector
Sand Slough Structure		08/01/2019 08/01/2019	Corey Fujitani

LM Start	0.00	Rating **	N	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined				GPS Latitude/Longitude		
Calegory	Channels		Start Er		End		
Item	Monolith .	Joints		37.11231	3°	37.112313 °	
пеш			-120.58845	8°	-120.588458 °		
DWR ID	DWR_NA0	7_22					
Action/Comments							

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures	GPS Latitude/Longitude				
Calegory	Channels			Start		End
Item	Safety			37.1123	13 °	37.112313 °
пеш				-120.5884	58°	-120.588458 °

DWR ID DWR_NA0010_67_t _ 2017_23

Action/Comments

No Photos

No Photos

No Photos

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined					le/Longitude
Calegory	Channels		Start		End	
Item		Operation & Maintenance			ı3°	37.112313°
пеш	Manual			-120.5884	58°	-120.588458 °
DWR ID	DWR_NA0010_67_t _ 2017_24					
Action/Comments						

Inspector Comments: The manual is on file in the office.

* Location LS: Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C: Corrected A/W : Acceptable but Monitor & Maintain + Issue Type